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*HANDBOOK FOR USING THE 1988  
PHYSICIANS' PRACTICE COSTS  
AND INCOME SURVEY*

Final Report

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*HANDBOOK FOR USING THE 1988 PHYSICIANS' PRACTICE COSTS  
AND INCOME SURVEY*

## *INTRODUCTION*

The Health Care Financing Administration (HCFA) has undertaken several national surveys of physicians dating back to the mid-1970s. The 1988 Physicians' Practice Costs and Income Survey (PPCIS) is part of a continuing effort to collect data pertaining to physicians' practice patterns, productivity, practice costs, incomes, and Medicare participation.

The 1988 PPCIS was motivated by three Congressional mandates. First, the Omnibus Budget Reconciliation Act (OBRA) of 1986 directed the Secretary of Health and Human Services to collect cost data for the refinement of measures of geographic differences in medical practice costs, as reflected in the Geographic Practice Cost Index (GPCI). Second, OBRA-1986 mandated that data be collected to "study the extent to which the Medicare Economic Index (MEI) appropriately and equitably reflects economic changes in the provision of physicians' services to Medicare beneficiaries." Third, OBRA-1987 directed HHS to "conduct a survey to determine the distribution of collection rates among different classes of physicians for deductibles and copayments."

The 1988 PPCIS was conducted by NORC, a social science research center affiliated with the University of Chicago. Health Economics Research (HER) served as subcontractor for data analysis. During the main data collection contract and under subsequent grants, HER staff engaged in extensive data preparation, assessment, and analysis efforts. Reports based in whole or in part on the 1988 PPCIS include:

- A recomputation of physician cost shares, including cost shares by physician specialty and geographic location (Dayhoff and Cromwell, 1991). Simulations were then performed to test the sensitivity of the GPCI and MEI to the use of these different cost share measures.
- An examination of physicians' Medicare participation and billing patterns (Schneider and Rosenbach, 1991). This study updated previous work on physician participation patterns and examined patient liability for copayments not covered by Medicare.
- An analysis of trends in physician incomes using data from the 1978, 1983, and 1988 Physician Practice Costs and Income Surveys (Pope and Schneider, 1991). This study found that real incomes for all specialties had grown during this period, with surgical specialties outpacing medical specialties.
- An examination of economies of scale for physician practices (Pope and Burge, 1991). Using PPCIS data on practice sizes and expenses, costs for "efficient" practices were estimated, and suggestions were made for promoting efficient practice.
- An assessment of the PPCIS Equipment Supplement (Ammering and Rosenbach, 1991). The final report described the data cleaning performed to improve the completeness and validity of the data, and documented the quality of the data.

During these analyses, it became apparent that issues regarding the statistical properties and quality of the data had not been completely resolved. This handbook describes additional data preparation efforts performed on the 1988 PPCIS, including evaluation of reserve codes, review of verbatim comments, and assessment of outlier values. As part of this work, we also reviewed and reproduced the imputation results.

This report is divided into three parts. Part I documents the data preparation efforts undertaken in conjunction with preparation of the public use file. Included in this section is a brief overview of the survey design, a description of data cleaning tasks, and a discussion of the imputation of missing data.

**Part II** contains a series of technical assistance memoranda designed to provide more practical information to users of the 1988 PPCIS. The first memo examines the relationship between cost and income data in the PPCIS. The second memo presents an approach to normalizing the weights for missing data. The third memo, presented in question and answer format, highlights some of the frequently-encountered problems in working with the PPCIS. The fourth memo discusses the similarities and differences among the 1978, 1983, and 1988 PPCIS, to assist users in performing intertemporal comparisons.

**Part III** describes the structure of the public use file. Appendices provided a SAS PROC Contents, unweighted frequencies, weighted frequencies, and descriptive statistics for continuous variables.

### **FOR FURTHER INFORMATION**

An extensive methodology report was prepared as part of the main data collection contract (Thalji *et al*, 1991). The methodology report provides extensive information on the design and implementation of the 1988 PPCIS. This handbook updates the discussion of the data collection preparation efforts, imputation procedures and results, and frequencies and descriptive statistics. In addition, this handbook contains technical memoranda providing practical information to users of the 1988 PPCIS (and earlier surveys). The two documents should be used in combination to obtain a complete perspective on the features of the 1988 PPCIS.

For additional information regarding the 1988 PPCIS, users are referred to the Health Care Financing Administration:

Office of Research and Demonstrations  
Health Care Financing Administration  
Division of Reimbursement and Economic Studies  
Oak Meadows Building, Room 2-B-14  
6325 Security Boulevard  
Baltimore, MD 21207



**PART I**  
**DOCUMENTATION OF**  
**DATA PREPARATION EFFORTS**

- 1.0 OVERVIEW OF THE SURVEY**
- 2.0 DESCRIPTION OF DATA PREPARATION EFFORTS**
- 3.0 IMPUTATION OF MISSING DATA**





# CHAPTER 1

## *OVERVIEW OF THE SURVEY*



## 1.0 OVERVIEW OF THE SURVEY

### 1.1 Sample

The American Medical Association's Physician Masterfile, a comprehensive file of all physicians practicing in the U.S., was used as the sampling frame. A nationally-representative sample, stratified by specialty, Census Division, and urban/rural location, was randomly selected from the Masterfile. Physicians from rural areas were oversampled, as were gastroenterologists, orthopedic surgeons, cardiologists, urologists, cardiothoracic surgeons, and "other" surgical specialists. General and family practitioners, internists, and other medical specialists were undersampled.

To be eligible for the survey, physicians had to meet the following criteria:

- (1) currently provide patient care services for at least 20 hours per week;
- (2) not currently a resident, clinical fellow or research fellow;
- (3) not employed by a faculty practice plan, hospital, clinic or HMO, or by a federal government agency in 1988;
- (4) if in a multipractice arrangement, greater than 80 percent of income from the practice in which the physician was full or part owner, or employed by another physician or group of physicians;
- (5) have spent at least twenty hours per week in patient care (or services) during 1988; and
- (6) have been in the same private practice for all of 1988.

The final number of completed cases was 3,505, achieving an overall response rate of 61 percent. Of the total sample screened, 36 percent, or 3,015 physicians were ineligible to participate and were thus excluded from the survey. Most of these physicians were ineligible because of their employment arrangement. Sample weights are available to adjust for (1) over- and undersampling of selected groups of physicians; and (2) differential nonresponse rates between subgroups.

A detailed discussion of sample design issues can be found in Thalji *et al.* (1991).

### 1.2 Description of the Questionnaire

Exhibit 1-1 contains a copy of the survey instrument including the variable names used in the public use file and referred to in this report. Variables excluded from the public use file are coded "NOF," signifying "not on file." Among the variables excluded are the screener questions used to verify eligibility, control variables used to guide the interviewers in reconciliation or skip patterns, and gross revenue variables which were considered too unreliable (see Chapter 2). The 1988 PPCIS is divided into eleven major sections:

- Employment (questions 1 - 7D)
- Productivity (questions 8 - 11D)
- Practice Size (questions 12A - 15)
- Practice Costs (questions 16A - 27)
- Practice Revenue (questions 28A - 28G)
- Net Income (questions 29A - 30A)
- Malpractice (questions 31 - 37A)



- Medicare (questions 38A - 42)
- Demographics (question 43)
- Equipment Supplement (questions 44 - 68)
- Interviewer Remarks (questions 69 - 74E)

Employment questions were used to verify the physicians' eligibility for the survey. In addition, they verified information on specialty, and recorded information on practice type (sole proprietor, partnership or corporation and single specialty or multispecialty).

Productivity questions gather information such as the total hours worked during the most recent full week of practice, the breakdown of these hours by activity, and the number of patients seen in different settings.

The practice size section records information on the number of physician owners, physician employees, and nonphysicians employed in the practice. It also distinguishes full-time from part-time workers.

The practice costs section asks for detailed information on 18 types of physician practice costs, including gross wages, deferred compensation and bonuses, and fringe benefits reported separately for physician owners, physician employees, and nonphysician employees. Other questions inquire about office space costs (rental costs, depreciation costs, utilities), equipment costs, supply costs, malpractice premiums, automobile costs, continuing education costs, and miscellaneous expenses. Physicians were requested to provide cost data for their entire practice, not their individual costs.

The practice revenue section of the questionnaire asks physicians for their gross total patient revenues. As will be discussed in Chapter 2, none of these variables are included in the public use file.

The net income section of the survey first asked physicians to provide an exact value for their own personal net income from all medical activities. If no exact amount was given, physicians were allowed to provide a range within which their income fell. Physicians were then asked to provide either the percentage or the amount of their net income from medical activities other than their main practices.

The malpractice questions asked for information on premiums paid for malpractice insurance and the limits of liability coverage.

The Medicare section first asked physician about the percentages of revenues from patients with different types of health coverage (e.g., Medicare, Medicaid, private insurance, uninsured). Physicians were then asked specifically about participation in Medicare and billing patterns for Medicare enrollees.

The demographic section asked physicians to identify their race/ethnicity.

The equipment supplement to the questionnaire first asked physicians whether they own, lease, or rent various types of equipment such as X-ray or EKG equipment. If the practice had the equipment, respondents were then asked more detailed questions regarding equipment costs, usage, and time spent using the equipment. Physicians were then asked similar questions regarding laboratory equipment.

The questionnaire concludes with interviewer remarks, including information on the respondent to the cost section, the level (group/individual) at which financial information was provided, and the dates when the interview was started and completed.

### 1.3 Use of Proxies

Physicians were permitted to use proxy respondents, such as office managers, bookkeepers, and accountants, for the cost, revenue, malpractice, Medicare, and parts of the equipment sections of the survey. However, question INT69 provides information on the main respondent to the cost section only. A dichotomous variable, PROXY, indicates whether the physician or a proxy completed the cost section.



#### 1.4 Data Collection

The questionnaire was administered using three modes. A little more than half (1,769) of the interviews were completed on hard-copy survey instruments. Data were subsequently entered via computer-assisted data entry (CADE). This technique had the advantage of preserving comments on hard-copy instruments that could be checked to verify or explain responses during data cleaning and editing. Another 1,726 interviews were conducted using computer-assisted telephone interviewing (CATI) in which data are entered directly into the computer system. For these cases, a verbatim file of comments made by respondents during the interview was used to verify responses. Finally, abbreviated mail questionnaires were completed by 10 respondents.

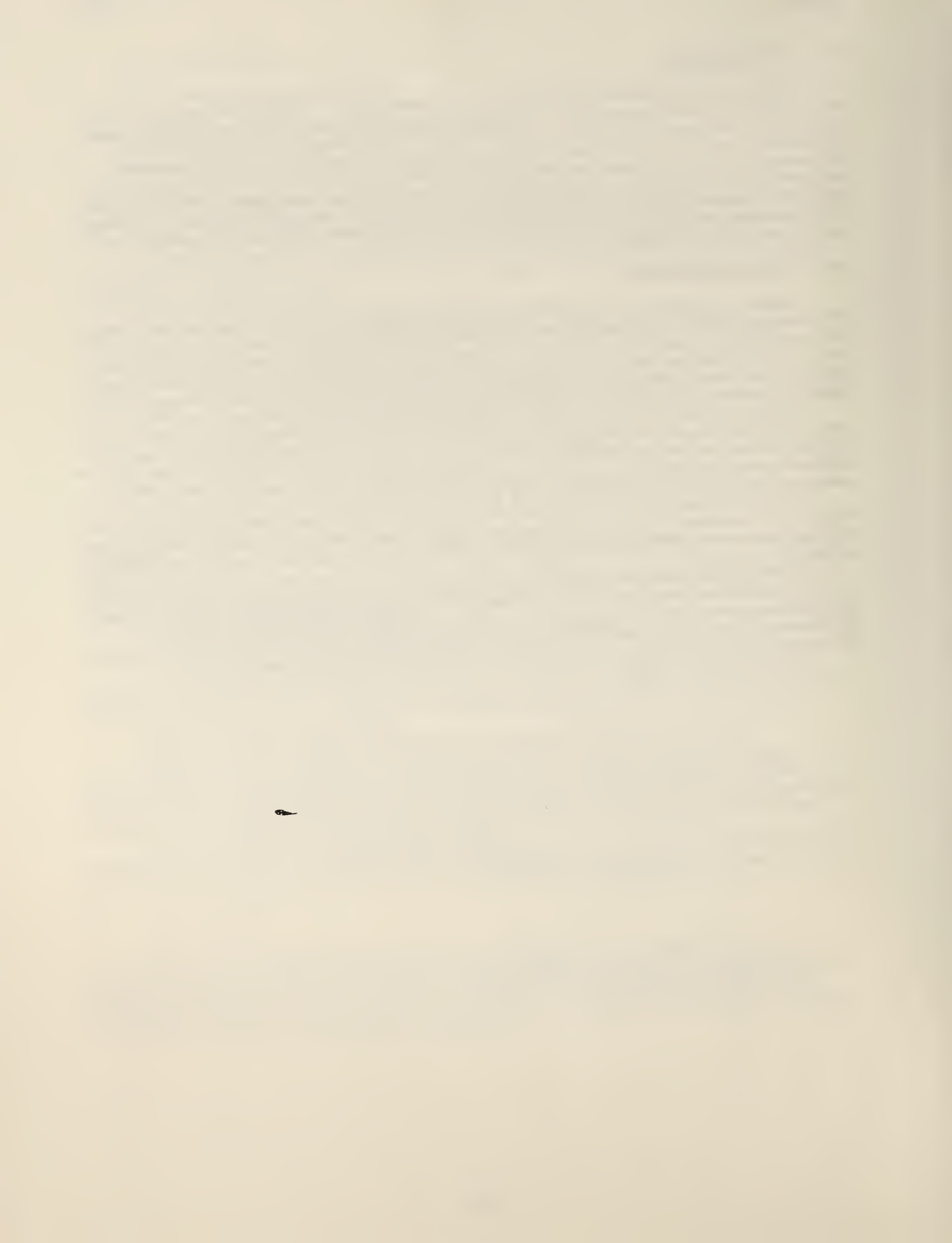
#### 1.5 Universe Definitions

Exhibit 1-2 contains universe definitions for variables found on the public use file. The PPCIS contains 3,505 responses: 3,806 were from physicians who were full or part owners of their main practices and 419 were from physicians employed by group practices. (Physicians who were employed by hospitals, clinics, or HMOs were excluded from the sample.) While many questions were asked of all respondents to the survey, some were asked only of physician owners. This distinction is indicated by the practice type column of the exhibit.

Questions that were asked only of certain specialties are indicated by the specialty column. The majority of these questions are found in the productivity section of the survey (where radiologists, anesthesiologists, and pathologists are not asked about hours spent in different types of patient care activities), and in the equipment section of the survey (where questions about equipment and testing are directed towards particular specialties).

The final column indicates the precedent data which determined whether or not a respondent was asked a subsequent question. These universe definitions administered are not necessarily how the public use file is coded. Further details on data preparation are provided in Chapter 2.

The ten cases which responded to an abbreviated mail questionnaire do not conform to these universe definitions. Physicians answering the mail questionnaire were asked a subset of questions drawn from all sections of the questionnaire other than the Equipment Supplement. Questions not asked on the mail questionnaire are coded with a ".P" on the data file to distinguish the mail questionnaires from other types of legitimate skips.



# CHAPTER 1

## *EXHIBITS*

- Exhibit 1-1 Survey Questionnaire
- Exhibit 1-2 Universe Definitions

1875

1876

1877

1



EXHIBIT 1-1  
SURVEY QUESTIONNAIRE

-1-

TIME STARTED: | | | | | AM  
| | | | | PM  
HR. MIN.

EMPLOYMENT

1. According to the AMA's files, your primary specialty is (SPECIALTY FROM INFORMATION SHEET). Is that right?

Yes ..... 1 (Q.3)  
No ..... 2 (Q.2)

NOF



2. What is your specialty? RECORD VERBATIM.  
CODE COLLAPSED SPECIALTY. (SEE AMA LIST).

\_\_\_\_\_ | | | |  
UNCOLLAPSED SPECIALTY COLLAPSED ALPHA



OFFICE USE ONLY: | | | |  
NUMERIC

3. Do you currently provide patient care (or services) for 20 hours a week or more?

Yes ..... 1 (Q.4)  
No ..... 2 (BOX 2, P.3)

NOF

4. Are you a resident, a clinical fellow, or a research fellow?

Yes ..... 1 (BOX 2, P.3)  
No ..... 2 (Q.5)

NOF

5. Which of the following 7 categories describes your practice arrangement in 1988? Were you a full or part owner of your practice, employed by another physician or group of physicians, employed by a faculty practice plan, employed by a hospital, employed by a clinic or HMO, employed by a federal government agency such as the VA, or in some other practice arrangement? If more than one of these applies to you, please be sure to mention each. CODE ALL THAT APPLY.



- a. Full or part owner of your practice..... 1 } (If coded only from this group, go to BOX 1)
  - b. Employed by another physician or group of physicians.. 2 }

---

  - c. Employed by a faculty practice plan..... 3 }
  - d. Employed by a hospital..... 4 }
  - e. Employed by a Clinic or HMO..... 5 } (If coded only from this group, go to BOX 2)
  - f. Employed by a federal government agency..... 6 }
  - g. Other (SPECIFY) \_\_\_\_\_ 7 }
- (If coded from both groups, go to BOX 1)

BOX 1. EMPLOYMENT STATUS

A. IF C-G CODED, PROBE: Are you salaried by (PLACE), including receiving fringe benefits, or do you work at (PLACE) on an hourly or daily consulting basis, without a long-term employment contract?

NOF Salaried..... (GO TO B)  
Consultant..... (RECONCILE Q.5 AND CONTINUE)

B. IS MORE THAN ONE EMPLOYMENT STATUS CODED IN Q.5?

NOF YES..... 1 (C)  
NO..... 2 (Q.7)

C. IS "FULL OR PART OWNER OF YOUR PRACTICE" CODED?

NOF YES..... 1 (Q.6)  
NO..... 2 (BOX 2)

6. What percentage of your income comes from the practice in which you are full or part owner?

NOF  
|\_|\_|\_|% (BOX 2)

7. Now I'd like to ask you about your practice in 1988.

A. In any part of 1988, did you spend at least 20 hours a week providing patient care? Please exclude time spent as a resident or intern, if that applies.

NOF Yes..... 1 (Q.7B)  
No..... 2 (Box 2)

B. Were you in the same private practice for all of 1988?

NOF Yes..... 1 (Q.7C)  
No..... 2 (Box 2)

C. For tax purposes, during 1988, was your medical practice an unincorporated sole proprietorship, a formal partnership, or a corporation?

SCR7C Unincorporated sole proprietorship..... 1 (ENTER TIME)  
Formal partnership..... 2 } (Q.7D)  
Corporation? ..... 3 }  
OTHER (SPECIFY BELOW):..... 4 }



D. During 1988, was your medical practice a multi-specialty group? (PROBE: Including physicians of different specialties.)

SCR7D Yes..... 1 } (ENTER TIME)  
No..... 2 }

BOX 2. DISCONTINUE STATEMENT  
Doctor, these are all the questions I have.  
The remainder of the interview is for physicians who have other types of practice arrangements.  
Thank you for your time. (GO TO Q.7C)

TIME: | | | | | AM  
|\_|\_|\_|\_|\_| PM (Q.8)  
HR. MIN.

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PRODUCTIVITY

The next few questions are about your work schedule.

8. During 1988, how many weeks did you not practice? Please include absences for medical meetings, military service, vacations, illness, the time you spent in residency, or other similar absences.

PRD8

# WEEKS ABSENT: |\_\_|\_\_|

9. Now think about your work schedule during your most recent full week of practice, that is, the 7 days from Monday through Sunday.

A. How many hours total did you work during that week? Please include all administrative and medical activities, except "on call" hours not actually worked and travel time.

PRD9A

TOTAL HOURS: |\_\_|\_\_|\_\_|

B. Altogether, during those 7 days, how many hours did you yourself spend at administrative activities connected with your practice? (PROBE: Include such things as filling out insurance forms and medical records, billing patients, dealing with personnel or financial matters of the practice, research, and conferences.)

PATHOLOGISTS ONLY: Please do not include the time you spent performing autopsies.

PRD9B

ADMINISTRATIVE HOURS: |\_\_|\_\_|\_\_|

<p>BOX 3. <u>MEDICAL ACTIVITIES HOURS</u></p> <p>SUBTRACT ADMINISTRATIVE HOURS FROM TOTAL HOURS (Q.9A MINUS Q.9B) FOR MEDICAL ACTIVITIES HOURS  __ __ __ </p>	NOF
---	-----



C. That means you spent about (HOURS IN BOX 3) hours in medical activities during that week. Is that correct? (PROBE: Include hours spent in the office, on hospital rounds, in a hospital clinic or other medical facility, in consultation with other physicians, and time devoted to the medical activities.)

PRD9C

Yes.....1 (Q.9D)  
No.....2 (RECONCILE; THEN GO TO Q.9D)

D. Was that week average in terms of working hours, more than average, or less than average?

PRD9D

Average.....1  
More.....2  
Less.....3

BOX 4. SPECIALTY: CHECK FLAP, Q.1.  
 IS PHYSICIAN A RADIOLOGIST, ANESTHESIOLOGIST, OR PATHOLOGIST?  
 YES..... 1 (Q.12)  
 NO..... 2 (Q.10)

10. Thinking again about your last full week of practice, I'm going to ask about the number of hours you spent with patients in the office, in the hospital, in surgery, on rounds and in other medical activities. Of the (HRS. IN BOX 3) hours you spent at medical activities, how many did you spend.....

A. With patients in the office? **PRDIOA**  
 | | | | hrs.

B. Treating patients in the hospital emergency room and hospital out-patient clinics? **PRDIOB**  
 | | | | hrs.

C. On operations and surgical assists? (PROBE: FOR GFP, IMD, OGG, PED: Include all deliveries.) **PRDIOC**  
 | | | | hrs.

D. On regular hospital rounds with inpatients? **PRDIOD**  
 | | | | hrs.  
**PRDIOE**

E. in any other medical activities? | | | | hrs. (IF 0, SKIP TO BOX 5.)

F. PROBE: What do these hours include? SPECIFY \_\_\_\_\_

BOX 5. RECONCILE HOURS **NOF**  
 A. TOTAL HOURS IN Q.10 | | | |  
 B. DO TOTAL HOURS EQUAL THOSE IN BOX 3?  
 YES..... 1 (BOX 6)  
 NO..... 2 (RECONCILE; THEN GO TO BOX 6)

BOX 6. PATIENT VISITS

FOR EACH RESPONSE IN Q.10A-D THAT IS > 0, ASK THE CORRESPONDING ITEM IN Q.11A-D.

11. How I'd like to ask about the number of visits in each of the settings we just discussed. During that week how many . . .

RECORD # BELOW.

A. Patient visits did you have in your office? (Count as one visit each time you saw a patient.) **PRDIIA**  
 | | | |

B. Patients did you see in hospital emergency rooms and out-patient clinics? **PRDII B**  
 | | | |

C. Operations and assists did you participate in? (PROBE: FOR GFP, IMD, OGG, PED ONLY: Include all deliveries.) **PRDII C**  
 | | | | (IF 0, SKIP TO Q.11D.)

1. How many of those operations or surgical assists were on an outpatient basis? **PRDII C 1**  
 | | | | (IF 0, SKIP TO Q.11D.)

2. Were any performed in a free-standing ambulatory surgical facility? **PRDII C 2**  
 Yes..... 1  
 No..... 2

D. Inpatient visits did you make on hospital rounds? **PRDII D**  
 | | | |

PRACTICE  
SIZE

12. The next questions are about the staff in your practice.

A. As of December 31, 1988, how many physicians were formally associated with your practice for at least 20 hours a week? Please include yourself, all full or part-owners, and physicians who were employed by your practice.



TOTAL PHYSICIANS S1212A  
FULL-TIME: |\_\_|\_\_|\_\_| (IF 1, SKIP TO Q.12C.)

B. Of these, how many were physician employees, that is, were not partners or shareholders?



PHYSICIAN EMPLOYEES S1212B  
FULL-TIME: |\_\_|\_\_|\_\_|

C. As of December 31, 1988, how many other physicians were formally associated with your practice for less than 20 hours a week?



TOTAL PHYSICIANS S1212C  
PART-TIME: |\_\_|\_\_|\_\_| (IF 0, SKIP TO BOX 7A)

D. How many of them were not partners or shareholders?



PHYSICIAN EMPLOYEES S1212D  
PART-TIME: |\_\_|\_\_|\_\_|

BOX 7A. <u>SOLO PRACTICE</u>	
IS PHYSICIAN A <u>SOLO</u> PRACTITIONER (Q.12A = 1 AND Q.12C = 0)?	
<u>NOF</u>	YES..... 1 (Q.14)
	NO..... 2 (Q.13)

13. Of the (TOTAL FROM Q.12A AND Q.12C) physicians in your practice, how many are (UNCOLAPSED SPECIALTY)?

S1213  
|\_\_|\_\_|\_\_|

14. As of December 31, 1988, how many non-physician employees were there in your (practice/group)? Please include both administrative and patient-care staff.

TOTAL NON-PHYSICIAN S1214  
EMPLOYEES: |\_\_|\_\_|\_\_| (IF 0, SKIP TO Q.16.)



15. Now I'd like you to classify these non-physician employees into patient care and administrative categories. If an employee worked in more than one category, classify the employee in the position in which he or she spent the most time.

FOR EACH RESPONSE IN 1 THAT IS > 0, ASK 2.

1.	2.
(As of Dec. 31, 1988)	(How many of these
How many (POSITION) did	worked/Did this
your practice employ?	employee work) <u>at</u>
	<u>least</u> 20 hours per
	week?

PATIENT CARE

- A. PSYCHIATRISTS ONLY:  
social workers or  
psychologists
- B. ANESTHESIOLOGISTS ONLY:  
CRNAs (PROBE:  
Certified Registered  
Nurse Anesthetists)
- C. registered nurses (RNs)
- D. licensed practical nurses  
(LPNs)
- E. medical aides, X-ray and  
laboratory technicians
- F. physician's assistants or  
nurse practitioners
- G. Other patient care employees  
(SPECIFY) \_\_\_\_\_

S1Z15A1  
|\_|\_|\_|

S1Z15B1  
|\_|\_|\_|

S1Z15C1  
|\_|\_|\_|

S1Z15D1  
|\_|\_|\_|

S1Z15E1  
|\_|\_|\_|

S1Z15F1  
|\_|\_|\_|

S1Z15G1  
|\_|\_|\_|

S1Z15A2  
|\_|\_|

S1Z15B2  
|\_|\_|

S1Z15C2  
|\_|\_|

S1Z15D2  
|\_|\_|

S1Z15E2  
|\_|\_|

S1Z15F2  
|\_|\_|

S1Z15G2  
|\_|\_|

ADMINISTRATIVE

- H. Administrative and clerical  
staff such as secretaries,  
bookkeepers, and office  
managers.

S1Z15H1  
|\_|\_|\_|

NOF  
|\_|\_|\_|

S1Z15H2  
|\_|\_|

TOTAL (A-H)

<b>BOX 7B. TOTAL NON-PHYSICIAN EMPLOYEES</b>	
DOES THE SUM OF Q.15A THROUGH H EQUAL Q.14?	
NOF	YES..... 1 (BOX 8) NO..... 2 (RECONCILE; THEN GO TO BOX 8)



PRACTICE COSTS

INTERVIEWER: SOMEONE OTHER THAN THE PHYSICIAN MAY ANSWER Q.16-Q.27.

BOX 8. PHYSICIAN EMPLOYEES

IS PHYSICIAN A FULL OR PART OWNER (Q.5A - 1)?

NOF

YES..... 1 (Q.16)
NO..... 2 (Q.29)

Now I would like to ask you about [(your/your group's)/Dr. \_\_\_\_\_'s (group's)] expenses in 1988. Enclosed with the letter we sent you was a green worksheet listing several expense categories. Do you have that sheet handy?

The first expense category is compensation for all physicians in (your/ Dr. \_\_\_\_\_'s) practice, that is, physicians who are partners, owners, or shareholders, and physicians who are employees.

16. In 1988, what were the total actual gross wages [that you were paid or withdrew/for all of the physicians in (your practice/your group)]? Please include wages for (full-time/part-time/both full- and part-time) staff. Do not include deferred compensation and bonuses. IF SOLE PROPRIETOR: Include all net income from the practice.

GROSS WAGES PHYSICIANS: \$ | | | | | | | | | | | |

COS16

✓

A. In 1988, how much was spent for deferred compensation and bonuses for all physician(s)? (PROBE: Include pension and profit sharing, such as IRS's, Keogh's and 401-K plans.)

DEFERRED COMP. PHYSICIANS: \$ | | | | | | | | | | | |

COS16A

✓

B. In 1988, how much was spent for fringe benefits for [you/the physician(s)], including social security and health, life and disability insurance? (PROBE: Also include unemployment and workmen's compensation.)

FRINGE PHYSICIANS: \$ | | | | | | | | | | | |

COS16B

✓

BOX 9. COMBINED COSTS

HOW WERE DEFERRED COMPENSATION AND FRINGE BENEFITS COSTS PROVIDED? CODE ALL THAT APPLY.

- PROVIDED SEPARATELY (AS ASKED)..... 1 COSBX9A1
DEFERRED COMPENSATION COMBINED WITH TOTAL WAGES..... 2 COSBX19A2
FRINGE BENEFITS COMBINED WITH TOTAL WAGES..... 3 COSBX19A3
FRINGE BENEFITS COMBINED WITH DEFERRED COMPENSATION.... 4 COSBX9A4

BOX 10. PHYSICIAN EMPLOYEES

ARE THERE ANY PHYSICIAN EMPLOYEES (Q.12B + 12D = 1+)?

NOF YES..... 1 (Q.17)  
NO..... 2 (BOX 12)

The second expense category is compensation for physician employees only, that is, physicians who are not partners, owners, or shareholders.

17. In 1988, what were the total actual gross wages for all of the physician employees in [(your practice/your group)/Dr. \_\_\_\_\_'s (practice/group)]? Please include wages for both full- and part-time staff. Do not include deferred compensation and bonuses. (PROBE: Exclude partners and owners).

GROSS WAGES

COS17

PHYSICIAN EMPLOYEES: \$ | | | , | | | | | , | | | | |

A. In 1988, how much was spent for deferred compensation and bonuses for all physician employee(s)? (PROBE: Include pension and profit sharing, such as IRA's and 401-K plans.)

DEFERRED COMP.

COS17A

PHYSICIAN EMPLOYEES: \$ | | | , | | | | | , | | | | |

B. In 1988, how much was spent for fringe benefits for physician employee(s), including social security and health, life and disability insurance. (PROBE: Also include unemployment and workmen's compensation.)

FRINGE

COS17B

PHYSICIAN EMPLOYEES: \$ | | | , | | | | | , | | | | |

BOX 11. COMBINED COSTS

HOW WERE DEFERRED COMPENSATION AND FRINGE BENEFITS COSTS PROVIDED?  
CODE ALL THAT APPLY.

PROVIDED SEPARATELY (AS ASKED)..... 1 COSB1A1  
DEFERRED COMPENSATION COMBINED WITH TOTAL WAGES..... 2 COSB1A2  
FRINGE BENEFITS COMBINED WITH TOTAL WAGES..... 3 COSB1A3  
FRINGE BENEFITS COMBINED WITH DEFERRED COMPENSATION.... 4 COSB1A4

**BOX 12. NON-PHYSICIAN EMPLOYEES**

ARE THERE ANY NON-PHYSICIAN EMPLOYEES (Q.14 = 1+)?

NOF            YES..... 1 (Q.18)  
                  NO..... 2 (Q.19)

Next we will ask about your non-physician employees.

18. You told us [(you/your group)/(Dr. \_\_\_\_\_/Dr. \_\_\_\_\_'s group)] employed [NUMBER IN Q.14] non-physician staff. In 1988, what were the total actual gross wages for all non-physician employees? Do not include deferred compensation and bonuses.

GROSS WAGES  
NON-PHYSICIANS:            \$ |\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|            ✓ **COS18**

A. In 1988, how much was spent for deferred compensation and bonuses for these employees? (PROBE: Include pension and profit sharing, such as IRA's and 401-K plans.)

DEFERRED COMP.  
NON-PHYSICIANS:            \$ |\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|            ✓ **COS18A**

B. In 1988, how much was spent for fringe benefits for [(your/your group's/ Dr. \_\_\_\_\_'s (group's)] non-physician employees, including social security and health, life and disability insurance. (PROBE: Also include unemployment and workmen's compensation.)

FRINGE  
NON-PHYSICIANS:            \$ |\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|            ✓ **COS18B**

**BOX 13. COMBINED COSTS**

HOW WERE DEFERRED COMPENSATION AND FRINGE BENEFITS COSTS PROVIDED?  
 CODE ALL THAT APPLY.

PROVIDED SEPARATELY (AS ASKED)..... 1 **COSB13A1**  
 DEFERRED COMPENSATION COMBINED WITH TOTAL WAGES..... 2 **COSB13A2**  
 FRINGE BENEFITS COMBINED WITH TOTAL WAGES..... 3 **COSB13A3**  
 FRINGE BENEFITS COMBINED WITH DEFERRED COMPENSATION.... 4 **COSB13A4**



19. In 1988, did [(you/your group)/(Dr. \_\_\_\_\_/Dr. \_\_\_\_\_)'s group)] rent or own office space?

COS19 Rent .....1 (A)  
Own .....2 (B)  
Both .....3 (A & B)

A. What was the yearly rental or lease cost for this office space?

RENTAL OR LEASE COST: \$ |\_\_|, |\_\_|\_\_|\_\_|, |\_\_|\_\_|\_\_| ✓ IF RENT OR LEASE ONLY:  
(IF 0, SKIP TO Q.19D) ☆  
(IF 1+, SKIP TO Q.19C)

B. In 1988, how much was [(your/your group's)/(Dr. \_\_\_\_\_'s/Dr. \_\_\_\_\_'s group's)] yearly depreciation and interest cost for office space, that is, how much did you write-off for tax purposes in 1988? ☆

COS19B DEPRECIATION COST: \$ |\_\_|\_\_|\_\_|, |\_\_|\_\_|\_\_| ✓

BOX 14. DEPRECIATION

IS RENTAL BLANK (Q.19A) AND DEPRECIATION (Q.19B) EQUAL 0?

NOF YES..... 1 (Q.19D)  
NO..... 2 (Q.19C)

C. Does this amount include:

COS19C Utilities and telephone..... 1 (E)  
Utilities only..... 2 }  
Telephone only..... 3 (D)  
Neither..... 4 }

D. What were [(your/your group's)/(Dr. \_\_\_\_\_'s/Dr. \_\_\_\_\_'s group's)] expenses for (utilities/telephone/utilities and telephone) in 1988?

COS19D UTILITIES: \$ |\_\_|\_\_|\_\_|, |\_\_|\_\_|\_\_| ✓

E. What was the square footage of the office space in 1988?

COS19E SQUARE FOOTAGE: |\_\_|\_\_|\_\_|, |\_\_|\_\_|\_\_| (IF DON'T KNOW, ASK F)

F. What was the cost per square foot of the office space in 1988?

COS19F COST PER FOOT: \$ |\_\_|\_\_|\_\_|, |\_\_|\_\_|\_\_|

BOX 15. OFFICE COSTS

ARE THERE RENTAL OR DEPRECIATION COSTS (Q.19A + Q.19B =1+)?

NOF YES..... 1 (Q.21)  
NO..... 2 (Q.20)



20. Please tell me why you had no expenses for office space costs in 1988:

- COS20
- |                                 |   |          |
|---------------------------------|---|----------|
| Office in home.....             | 1 | (Q.20A)  |
| Free space from hospital.....   | 2 | } (Q.21) |
| Building paid off.....          | 3 |          |
| Building fully depreciated..... | 4 |          |
| Other (SPECIFY) _____           | 5 |          |

A. Doctor, I recorded earlier that you had no yearly depreciation or interest cost for the office space in your home. Is that correct?

- NOF
- Yes..... 1 (Q.21)  
 No..... 2 (RECONCILE WITH Q.19B, THEN GO TO Q.21)

21. In 1988, what were [(your/your group's)/(Dr. \_\_\_\_\_'s/ Dr. \_\_\_\_\_'s group's)] yearly depreciation, interest, lease, and rental expenses for medical equipment? Do not include the total purchase price or the replacement value of your medical equipment. Please report only that portion that was tax-deductible in 1988.

EQUIPMENT EXPENSES: \$ |\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|

22. In 1988, what were [(your/your group's)/(Dr. \_\_\_\_\_'s/ Dr. \_\_\_\_\_'s group's)] annual expenses for all medical materials and supplies, including drugs, biologicals, X-ray films, and outside lab fees? Do not include office supplies.

SUPPLIES: \$ |\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|

BOX 16. <u>OFFICE SUPPLIES</u>
WERE OFFICE SUPPLIES INCLUDED IN Q.22?
COSBOX16 YES..... 1
NO/NOT MENTIONED..... 2
DON'T KNOW..... 3

23. In 1988, how much did [(you/your group)/(Dr. \_\_\_\_\_/ Dr. \_\_\_\_\_'s group)] pay for malpractice insurance premiums for all members of your practice? (PROBE: Include both physicians and non-physicians. Please include amounts paid for both basic and excess coverage, as well as contributions to state patient compensation funds.)

MALPRACTICE FOR ALL MEMBERS: \$ |\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|



24. In 1988, how much did [(you/your group)/(Dr. \_\_\_\_\_/ Dr. \_\_\_\_\_'s group)] spend for professional automobile upkeep and depreciation? Please include only the expenses that were tax deductible in 1988.

AUTOMOBILE: \$ |\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|

25. In 1988, how much did [(you/your group)/(Dr. \_\_\_\_\_/ Dr. \_\_\_\_\_'s group)] spend for continuing education (for physicians)? Include non-physicians.

CONTINUING  
EDUCATION:

COS25  
\$ |\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_| ✓

26. Finally, how much was spent for miscellaneous items not reported elsewhere, such as legal expenses, accounting services, office management services, property taxes and building insurance? Do not include income taxes. [PROBE: Include office supplies and cleaning service.]

MISCELLANEOUS:

COS26  
\$ |\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_| ✓

RECONCILE PRACTICE COSTS

27. This means that [(your/your group's)/(Dr. \_\_\_\_\_'s/ Dr. \_\_\_\_\_'s group's)] total tax deductible professional expenses for federal income tax purposes during 1988 were:

NOF  
\$ |\_\_|\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_| (SUM OF Q.16, A, B; 18, A, B; 19 A, B, D; 21-26)

IF SOLE PROPRIETOR: This includes (your/Dr. \_\_\_\_\_'s) total net income from the practice.

A. Is that correct?

NOF

Yes..... 1 (Q.28)

No..... 2 (RECONCILE; THEN GO TO Q.28)

PRACTICE REVENUES

INTERVIEWER: SOMEONE OTHER THAN THE PHYSICIAN, SUCH AS AN ACCOUNTANT, MAY ANSWER Q.28.

28. In 1988, what were [(your/your group's)/(Dr. \_\_\_\_\_'s/ Dr. \_\_\_\_\_'s group's)] total patient revenues, net of allowances and discounts and bad debts? Include only the amount actually received from patient billings. Please give the figure to the nearest thousand, before practice deductions and taxes.

A. ENTER EXACT AMOUNT IF GIVEN.....\$ |\_\_|\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_| (BOX D) NOF

B. IF DON'T KNOW, We just need a range. Was it above or below...

NOF LESS THAN 60,000.....01 } (BOX D) \$60,000 TO LESS THAN \$80,000.....02 } \$80,000 TO LESS THAN \$100,000.....03 }

IF SOLO -----> \$100,000

\$100,000 TO LESS THAN \$125,000....04 } (BOX D) \$125,000 TO LESS THAN \$150,000....05 } \$150,000 TO LESS THAN \$175,000....06 } \$175,000 TO LESS THAN \$200,000....07 } \$200,000 TO LESS THAN \$250,000....08 }

IF 2-4 -----> \$250,000

\$250,000 TO LESS THAN \$300,000....09 } (BOX D) \$300,000 TO LESS THAN \$350,000....10 } \$350,000 TO LESS THAN \$400,000....11 } \$400,000 TO LESS THAN \$450,000....12 } \$450,000 TO LESS THAN \$500,000....13 }

IF 5 + -----> \$500,000

\$500,000 TO LESS THAN \$600,000....14 } (BOX D) \$600,000 TO LESS THAN \$700,000....15 } \$700,000 TO LESS THAN \$800,000....16 } \$800,000 TO LESS THAN \$900,000....17 } \$900,000 TO LESS THAN \$1,000,000..18 } \$1,000,000 OR OVER.....19 (C)

C. About how much was that? \$ |\_\_|\_\_|,|\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_| NOF

BOX D. RECORD CORRECT CATEGORY BELOW. DID R PROVIDE...

GROSS PRACTICE REVENUE.....			
...(TOTAL PATIENT REVENUE)..1	NET.....4		
PERSONAL GROSS.....2	OTHER (SPECIFY).....5		
PRACTICE NET.....3			

NOF

E. (Doctor), I have recorded that (your/Dr. \_\_\_\_\_'s) (gross practice/personal gross/ practice net/personal net/other) revenue is [AMOUNT IN A, B, OR C]. Is that correct?

NOF Yes..... 1 (BOX 17)

No..... 2 (RECONCILE; THEN GO TO BOX 17)

BOX 17. SOLO PRACTICE

IS PHYSICIAN A SOLO PRACTITIONER (Q.12A = 1 AND Q.12C = 0)?

NOF YES..... 1 (Q.29)

NO..... 2 (F)

F. Of the entire gross practice revenues, what percentage is (your/ Dr. \_\_\_\_\_'s) share?

NOF

|\_\_|\_\_|\_\_| % IF "DON'T KNOW", ASK G.

G. In (your/Dr. \_\_\_\_\_'s) (practice/group) is the net income shared equally among members, or do some physicians make more and others less?

NOF SHARED EQUALLY..... 1

DIVIDED UNEQUALLY..... 2



NET INCOME

29. In 1988, what was your own personal net income from all of your medical activities after practice deductions but before taxes, to the nearest thousand? Please include salaries, net profit, fringe benefits, bonuses, deferred income, and other forms of compensation.

(PROBE: Please remember that the confidentiality of all information provided is strictly protected. All identifying information is destroyed and responses are presented only in summary statistical form.)

A. ENTER EXACT AMOUNT IF GIVEN: \$ INC29A (D)

B. IF NOT, We just need a range. Was it above or below. . .

INC29B

	LESS THAN \$30,000.....01	(D)
	\$30,000 TO LESS THAN \$40,000.....02	
	\$40,000 TO LESS THAN \$50,000.....03	
	\$50,000 TO LESS THAN \$60,000.....04	
	\$60,000 TO LESS THAN \$70,000.....05	
	\$70,000 TO LESS THAN \$80,000.....06	

GFP, PSY, ---->	\$80,000	(D)
OTH	\$80,000 TO LESS THAN \$90,000.....07	
	\$90,000 TO LESS THAN \$100,000.....08	

IMD, GAS ---->	\$100,000	(D)
OMD	\$100,000 TO LESS THAN \$120,000....09	

GSU, RAD, ---->	\$120,000	(D)
ANS, CTS, CAR,	\$120,000 TO LESS THAN \$140,000....10	
ORS, OPH, URO,	\$140,000 TO LESS THAN \$160,000....11	
OBG, OSU	\$160,000 TO LESS THAN \$200,000....12	
	\$200,000 TO LESS THAN \$250,000....13	
	\$250,000 TO LESS THAN \$300,000....14	
	\$300,000 TO LESS THAN \$350,000....15	
	\$350,000 TO LESS THAN \$400,000....16	
	\$400,000 TO LESS THAN \$450,000....17	
	\$450,000 TO LESS THAN \$500,000....18	
	\$500,000 OR OVER.....19 (C)	

C. About how much was that? \$ INC29C

D. I'd like to verify that this amount includes any contributions to pension, profit sharing, or deferred compensation plans for you during 1988. Is that correct?

NOF

Yes.....1 (Q.30)  
No.....2 (E)

E. Please re-estimate your own personal net income, including contributions to pension, profit sharing, or deferred compensation plans during 1988.

BOX 18. RECONCILE INCOME

RETURN TO QUESTION 29A THROUGH C TO MAKE NECESSARY MODIFICATIONS.  
THEN GO TO Q.30.

30. Of this entire net income, approximately what percentage was from medical activities other than your main practice, for example, income from other medical practices, reviewing claims for social security or a peer review organization, teaching, and so on?

INC30

|\_|\_|\_|% IF DON'T KNOW, ASK A

A. What is the approximate amount of this net income?

INC30A

\$ |\_|, |\_|\_|\_|, |\_|\_|\_|

MALPRACTICE

INTERVIEWER: SOMEONE OTHER THAN THE PHYSICIAN, SUCH AS A BOOKKEEPER, MAY ANSWER Q.31-37.

Now I would like to ask you a few questions about (your/Dr. \_\_\_\_\_'s) own malpractice insurance. (PROBE: These questions may be answered by someone else, such as a bookkeeper or accountant.)

31. First, how much did [(you/your group)/(Dr. \_\_\_\_\_/Dr. \_\_\_\_\_'s group)] pay in premiums, for (your/Dr. \_\_\_\_\_'s) own malpractice insurance, during 1988? Please include amounts paid for both basic and excess coverage, but exclude contributions to state patient compensation funds. (PROBE: This includes amounts paid by (you/Dr. \_\_\_\_\_) out-of-pocket, as well as amounts paid by (your/Dr. \_\_\_\_\_'s) practice.)

MAL31

\$ |\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|



BOX 19. STATE  
IS PRACTICE IN COLORADO, FLORIDA, ILLINOIS, INDIANA, KANSAS, MICHIGAN, NEBRASKA, NORTH CAROLINA, OREGON, PENNSYLVANIA, SOUTH CAROLINA, VIRGINIA, WISCONSIN, OR WYOMING?  
NOF YES..... 1 (Q.32)  
NO..... 2 (Q.33)

32. How much did [(you/your group)/(Dr. \_\_\_\_\_/Dr. \_\_\_\_\_'s group)] pay to the state patient compensation fund?

MAL32

\$ |\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|

33. Did (your/Dr. \_\_\_\_\_'s) hospital pay any premiums for (your/his/her) malpractice insurance, during 1988?

MAL33

Yes..... 1 (A)

No..... 2 (BOX 20)

A. How much did (your/Dr. \_\_\_\_\_'s) hospital pay on (your/his/her) behalf in premiums, during 1988?

MAL33A

\$ |\_\_|\_\_|\_\_|,|\_\_|\_\_|\_\_|



BOX 20. MALPRACTICE

WERE PREMIUMS REPORTED FOR PHYSICIAN'S OWN  
MALPRACTICE INSURANCE (Q.31 = 1+ OR Q.33A = 1+)?

NOF YES..... 1 (Q.35)  
NO..... 2 (Q.34)

34. During 1988 did (your/Dr. \_\_\_\_\_)'s hospital provide (you/him/her) with coverage through a self-insurance program or (were you/was he/she) not insured?

MAL34 Hospital provided coverage..... 1 (Q.35)  
Not insured..... 2 (A)

A. In what year did (you/he/she) discontinue (your/his/her) malpractice coverage?

MAL34A

1	9		
---	---	--	--

} (Q.37)

IF VOLUNTEERED: Never insured..... 1

35. What was the limit per case on all of (your/Dr. \_\_\_\_\_)'s malpractice liability policies for 1988?

MAL35 \$100,000..... 1  
\$200,000..... 2  
\$300,000..... 3  
\$500,000..... 4  
\$1,000,000..... 5  
\$3,000,000..... 6  
OTHER (SPECIFY) |\_\_|\_|,|\_\_|\_|\_|,|\_\_|\_|\_|. 7 Q35VERB

36. What was the total limit on all of (your/Dr. \_\_\_\_\_)'s malpractice liability policies for 1988?

MAL36 \$300,000..... 1  
\$500,000..... 2  
\$600,000..... 3  
\$1,000,000..... 4  
\$3,000,000..... 5  
\$5,000,000..... 6  
OTHER (SPECIFY) |\_\_|\_|,|\_\_|\_|\_|,|\_\_|\_|\_|. 7 Q36VERB

37. (Do you/Does Dr. \_\_\_\_\_) have an umbrella policy that covers professional liability which can be drawn on when total limits from other policies are exhausted?

MAL37  
Yes..... 1 (A)  
No..... 2 (Q.38)

A. What is the limit on this umbrella policy?

MAL37A  
\$ |\_\_|\_|,|\_\_|\_|\_|,|\_\_|\_|\_|



MEDICARE

INTERVIEWER: SOMEONE OTHER THAN THE PHYSICIAN, SUCH AS AN OFFICE MANAGER, MAY ANSWER Q.38-Q.42.

The next few questions are about health insurance. Please tell us about revenue according to the primary payer, whether or not you collect directly from the payer. (PROBE: For (your/Dr. \_\_\_\_\_'s) patients.)

38. In 1988, about what percentage of (your/Dr. \_\_\_\_\_'s) revenues were from...

- A. Uninsured patients, that is, who have no private or government insurance coverage at all for physicians' services?
B. Part B of Medicare as a primary payer?
C. The state Medicaid program as a primary payer?
D. Private Blue Shield insurance as a primary payer?
E. Other private health insurance plans as primary payers?
F. Or some other source? (SPECIFY) \_\_\_\_\_

MED38A
|\_|\_|\_|\_|%
MED38B
MED38C
MED38D
MED38E
MED38F
TOTAL |\_|\_|\_|\_|%

BOX 21. HEALTH INSURANCE

A. DOES TOTAL IN Q.38 = 100%?

NOF YES..... 1 (B)
NO..... 2 (RECONCILE; THEN GO TO B)

B. WERE PERCENTAGES FOR BLUE SHIELD AND OTHER PRIVATE PLANS REPORTED COMBINED OR SEPARATELY?

COMBINED..... 1 MEDBX21B
SEPARATELY..... 2

C. ARE PERCENTAGES AT INDIVIDUAL LEVEL OR PRACTICE LEVEL?

INDIVIDUAL..... 1 MEDBX21C
PRACTICE..... 2

D. ARE THERE MEDICARE B PATIENTS (38B = 1+%)?

NOF YES..... 1 (Q.38G)
NO..... 2 (Q.43)

G. What percentage of (your/Dr. \_\_\_\_\_'s) 1988 Medicare cases had supplemental insurance that covered the deductible and coinsurance?

MED38G
|\_|\_|\_|\_|%

H. What percentage of (your/Dr. \_\_\_\_\_ 's) 1988 Medicare cases were also covered by Medicaid?

MED38H  
|\_|\_|\_|\_|%

In 1984, Congress enacted legislation concerning Medicare and assignment of benefits. Physicians were given an opportunity to sign an agreement to accept assignment for all of their Medicare patients.

39. Did (you/Dr. \_\_\_\_\_) sign the agreement for the period beginning April 1988?

MED39

Yes..... 1

No..... 2

40. Did (you/Dr. \_\_\_\_\_) sign in January 1989?

MED40

Yes..... 1 (Box 23)

No..... 2 (Box 22)

BOX 22. PARTICIPATION '88 AND '89
DID RESPONDENT SIGN IN 1988 AND <u>NOT</u> SIGN IN 1989 (Q.39 = 1 AND Q.40 = 2)?
NOF YES..... 1 (A)
NO..... 2 (B)

A. I've recorded that (you/Dr. \_\_\_\_\_) signed for the period beginning April, 1988, but not for the period beginning January 1989. Is that correct?

NOF

Yes..... 1 (Q.41)

No..... 2 (Reconcile)

BOX 23. PARTICIPATION '88
DID RESPONDENT SIGN IN 1988 (Q.39 = 1)?
NOF YES..... 1 (Q.41)
NO..... 2 (B)

B. What percentage of (your/Dr. \_\_\_\_\_ 's) 1988 Medicare cases did (you/he/she) accept on assignment? [PROBE: Where the government pays (you/Dr. \_\_\_\_\_) directly].

MED40B  
|\_|\_|\_|\_|% (IF 100%, SKIP TO Q.41)

C. For (your/Dr. \_\_\_\_\_'s) 1988 non-assigned Medicare patients, what percentage of (your/Dr. \_\_\_\_\_'s) full charge did (you/he/she) collect? (PROBE: That is, without any upfront discounts or bad debts.) (PROBE: On average.)

MED40C

|\_|\_|\_|% (IF B = 0%, SKIP TO Q.43)

41. The next few questions are about (your/Dr. \_\_\_\_\_'s) billing practices for assigned patients.

When the Medicare patient is also covered by private supplemental insurance or Medicaid, in what percentages of cases (do you/does Dr. \_\_\_\_\_):

MED41A

A. bill the insurer or Medicaid directly? |\_|\_|\_|%

MED41B  
|\_|\_|\_|%

B. bill the patient directly?

TOTAL = |\_|\_|\_|% (IF LESS THAN 100%, PROBE)

COMMENT: \_\_\_\_\_  
\_\_\_\_\_

When the assigned Medicare patient has no additional coverage, in what percentage of cases (do you/does Dr. \_\_\_\_\_) actually bill the patient:

MED41C

C. for the deductible |\_|\_|\_|%

MED41D  
|\_|\_|\_|%

D. for the coinsurance

42. For all (your/Dr. \_\_\_\_\_'s) assigned patients, what percentage of the deductible and coinsurance (do you/does Dr. \_\_\_\_\_) collect on average?

MED42

|\_|\_|\_|%

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DEMOGRAPHICS

INTERVIEWER: PHYSICIAN MUST ANSWER Q.43.

43. Which one of these categories do you consider yourself? (PROBE: This data is being collected to ensure that a cross-section of physicians have been included in the interview sample.)

DEM43

- White (not of Hispanic origin).....1
- Hispanic.....2
- Black (not of Hispanic origin).....3
- Asian or Pacific Islander.....4
- American Indian or Alaskan Native.....5

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EQUIPMENT

INTERVIEWER: PHYSICIAN MUST ANSWER Q.44 AND Q.51-Q.53. SOMEONE OTHER  
THAN THE PHYSICIAN MAY ANSWER Q.45-Q.50.

The next questions are about the equipment owned or leased by your practice.

ALL SPECIALTIES

a.	b.	c.
<u>X-ray</u> (PROBE: For example, chest x-rays OPT-4 71020)	Routine <u>EKG</u> (OPT-4 93000)	Diagnostic <u>Ultrasound</u> (PROBE: "Echo") (OPT-4 76500-76999; 93300-93320)

44. (Do you/Does your group/Does Dr. \_\_\_\_\_) own, lease, or rent any (INSERT) equipment?

Yes..... 1  
No... EQU 44A 2

Yes..... 1  
No... EQU 44B 2

Yes..... 1  
No... EQU 44C 2

A. Outside of (your/ Dr. \_\_\_\_\_'s) practice, (do you/does Dr. \_\_\_\_\_) have any investments in (INSERT) equipment?

Yes... EQU 44AA 1  
No..... 2

Yes... EQU 44AB 1  
No..... 2

Yes... EQU 44AC 1  
No..... 2

**BOX 24. EQUIPMENT**  
IF PRACTICE HAS EQUIPMENT  
(Q.44 = 1), ASK Q.45-53.

45. (Returning to (your/Dr. \_\_\_\_\_'s) practice) Was the (INSERT) equipment purchased, leased, or rented? CODE ALL THAT APPLY.

Purchased... 45A1 1  
Leased... 45A2 2  
Rent... 45A3 3

Purchased... 45B1 1  
Leased... 45B2 2  
Rent... 45B3 3

Purchased... 45C1 1  
Leased... 45C2 2  
Rent... 45C3 3

46. READ FOR Q.46c ONLY. Which of the following types of ultrasound equipment do you have? READ LIST. CODE ALL THAT APPLY.

////////////////////  
////////////////////  
////////////////////

////////////////////  
////////////////////  
////////////////////

A mode... 46A 1  
M mode... 46M 2  
B scan... 46B 3  
Real time scan... 46R 4

47. What (was the total purchase price/are the annual (lease/rental) costs) of all the (INSERT) equipment currently (owned/leased/rented) by your practice?

47A  
\$|\_|\_|,|\_|\_|,|\_|\_|

47B  
\$|\_|\_|,|\_|\_|,|\_|\_|

47C  
\$|\_|\_|,|\_|\_|,|\_|\_|

48. (Were/Are) any of the (INSERT) equipment (purchase/annual (lease/rental)) costs shared with another practice?

Yes..... 48A 1 (Q.49)  
No..... 2 (Q.50)

Yes..... 48B 1 (Q.49)  
No..... 2 (Q.50)

Yes..... 48C 1 (Q.49)  
No..... 2 (Q.50)

49. What is (your/your group's) Dr. \_\_\_\_\_'s/Dr. \_\_\_\_\_'s group share of the (purchase/annual (lease/rental)) costs?

49A  
|\_|\_|%

49B  
|\_|\_|%

49C  
|\_|\_|%

50. What are the annual maintenance costs for the (INSERT) equipment, including any maintenance contracts?

50A  
\$|\_|\_|,|\_|\_|,|\_|\_|

50B  
\$|\_|\_|,|\_|\_|,|\_|\_|

50C  
\$|\_|\_|,|\_|\_|,|\_|\_|

ASK Q.51-53 OF DOCTOR (CONFIRM Q.44 IF NECESSARY):

51. In the last full week of practice, approximately how many tests did (you/your group/Dr. \_\_\_\_\_/ Dr. \_\_\_\_\_'s group) perform using the (INSERT) equipment?

51A  
#|\_|\_|\_|

51B  
#|\_|\_|\_|

51C  
#|\_|\_|\_|

52. Approximately how much physician time is involved in administering, developing, interpreting and reporting the procedure? (PROBE: In the practice which (owns/leases/rents) the equipment.)

52A  
|\_|\_| min.

52B  
|\_|\_| min.

52C  
|\_|\_| min.

53. In total, how much non-physician time is spent administering or assisting in the procedure?

53A  
|\_|\_| min. (BOX 24b)

53B  
|\_|\_| min. (BOX 24c)

53C  
|\_|\_| min.  
(CHECK SPECIALTY, SKIP TO BOX 24 IN APPROPRIATE SECTION)



INTERNISTS, GENERAL AND FAMILY PRACTITIONERS,  
GENERAL SURGEONS AND GASTROENTEROLOGISTS ONLY

INTERNISTS, GENERAL AND FAMILY PRACTITIONERS ONLY

d.	e.	f.
Upper GI endoscopy (OPT-4 43235)	Flexible sigmoidoscopy (OPT-4 45330)	Diagnostic colonoscopy (OPT-4 45378)

g.	h.
Cardiovascular stress test (OPT-4 93015)	Electrocardiographic monitoring (OPT-4 93258-93266)

Yes..... 1  
No... EQU44D 2

Yes..... 1  
No... EQU44E 2

Yes..... 1  
No... EQU44F 2

Yes..... 1  
No... EQU44G 2

Yes..... 1  
No... EQU44H 2

Yes... EQU44AD  
No..... 2

Yes... EQU44AE  
No..... 2

Yes... EQU44AF  
No..... 2

Yes... EQU44AG  
No..... 2

Yes... EQU44AH  
No..... 2

Purchased... 45D1 1  
Leased... 45D2 2  
Rent... 45D3 3

Purchased... 45E1 1  
Leased... 45E2 2  
Rent... 45E3 3

Purchased... 45F1 1  
Leased... 45F2 2  
Rent... 45F3 3

Purchased... 45G1 1  
Leased... 45G2 2  
Rent... 45G3 3

Purchased... 45H1 1  
Leased... 45H2 2  
Rent... 45H3 3

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////////////////////

47D  
\$|\_|\_|, |\_|\_|, |\_|\_|

47E  
\$|\_|\_|, |\_|\_|, |\_|\_|

47F  
\$|\_|\_|, |\_|\_|, |\_|\_|

47G  
\$|\_|\_|, |\_|\_|, |\_|\_|

47H  
\$|\_|\_|, |\_|\_|, |\_|\_|

Yes... 48D 1 (q.49)  
No..... 2 (q.50)

Yes... 48E 1 (q.49)  
No..... 2 (q.50)

Yes... 48F 1 (q.49)  
No..... 2 (q.50)

Yes... 48G 1 (q.49)  
No..... 2 (q.50)

Yes... 48H 1 (q.49)  
No..... 2 (q.50)

49D  
|\_|\_|x

49E  
|\_|\_|x

49F  
|\_|\_|x

49G  
|\_|\_|x

49H  
|\_|\_|x

50D  
\$|\_|\_|, |\_|\_|, |\_|\_|

50E  
\$|\_|\_|, |\_|\_|, |\_|\_|

50F  
\$|\_|\_|, |\_|\_|, |\_|\_|

50G  
\$|\_|\_|, |\_|\_|, |\_|\_|

50H  
\$|\_|\_|, |\_|\_|, |\_|\_|

51D  
#|\_|\_|

51E  
#|\_|\_|

51F  
#|\_|\_|

51G  
#|\_|\_|

51H  
#|\_|\_|

52D  
|\_|\_| min.

52E  
|\_|\_| min.

52F  
|\_|\_| min.

52G  
|\_|\_| min.

52H  
|\_|\_| min.

53D  
|\_|\_| min. (BOX 24e)

53E  
|\_|\_| min. (BOX 24f)

53F  
|\_|\_| min.

53G  
|\_|\_| min. (BOX 24h)

53H  
|\_|\_| min. (PG. 29)

CARDIOLOGISTS ONLY

i. Electrocardiographic monitoring (CPT-4 93258 - 93266)	j. Cardiovascular stress test (CPT-4 93015)	k. Myocardium or cardiac blood pool imagery, with exercise stress test (CPT-4 78419, 78404)
--	--	---

44. (Do you/Does your group/Does Dr. \_\_\_\_\_) own, lease, or rent any (INSERT) equipment?

Yes..... 1  
No... EQU 44I 2

Yes..... 1  
No... EQU 44J 2

Yes..... 1  
No... EQU 44K 2

A. Outside of (your/ Dr. \_\_\_\_\_'s) practice, (do you/does Dr. \_\_\_\_\_) have any investments in (INSERT) equipment?

Yes... EQU 44AI 1  
No..... 2

Yes... EQU 44AJ 1  
No..... 2

Yes... EQU 44AK 1  
No..... 2

BOX 24. EQUIPMENT  
IF PRACTICE HAS EQUIPMENT,  
ASK Q.45-53.

45. [Returning to (your/Dr. \_\_\_\_\_'s) practice] Was this (INSERT) equipment purchased, leased, or rented? CODE ALL THAT APPLY.

Purchased... 45I1 1  
Leased..... 45I2 2  
Rent..... 45I3 3

Purchased... 45J1 1  
Leased..... 45J2 2  
Rent..... 45J3 3

Purchased... 45K1 1  
Leased..... 45K2 2  
Rent..... 45K3 3

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////////////////////////////////////

47. What [was the total purchase price/are the annual (lease/rental) costs] of all the (INSERT) equipment currently owned by your practice?

47I  
\$|\_|\_|,|\_|\_|,|\_|\_|

47J  
\$|\_|\_|,|\_|\_|,|\_|\_|

47K  
\$|\_|\_|,|\_|\_|,|\_|\_|

48. (Were/Are) any of the (INSERT) equipment [purchase/annual (lease/rental)] costs shared with another practice?

Yes... 48I 1 (Q.49)  
No..... 2 (Q.50)

Yes... 48J 1 (Q.49)  
No..... 2 (Q.50)

Yes... 48K 1 (Q.49)  
No..... 2 (Q.50)

49. What is (your/your group's Dr. \_\_\_\_\_'s/Dr. \_\_\_\_\_'s group) share of the [purchase/annual (lease/rental)] costs?

49I  
|\_|\_|%

49J  
|\_|\_|%

49K  
|\_|\_|%

50. What are the annual maintenance costs for the (INSERT) equipment, including any maintenance contracts?

50I  
\$|\_|,|\_|\_|,|\_|\_|

50J  
\$|\_|,|\_|\_|,|\_|\_|

50K  
\$|\_|,|\_|\_|,|\_|\_|

ASK Q.51-53 OF DOCTOR (CONFIRM Q.44 IF NECESSARY):

51. In the last full week of practice, approximately how many tests did (you/your group/Dr. \_\_\_\_\_/ Dr. \_\_\_\_\_'s group) perform using the (INSERT) equipment?

51I  
#|\_|,|\_|\_|

51J  
#|\_|,|\_|\_|

51K  
#|\_|,|\_|\_|

52. Approximately how much physician time is involved in administering, developing, interpreting and reporting the procedure? (PROBE: In the practice which [owns/leases/rents] the equipment.)

52I  
|\_|\_| min.

52J  
|\_|\_| min.

52K  
|\_|\_| min.

53. In total, how much non-physician time is spent administering or assisting in the procedure?

53I  
|\_|\_| min. (BOX 24j)

53J  
|\_|\_| min. (BOX 24k)

53K  
|\_|\_| min. (PG. 29)

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RADIOLOGISTS ONLY

l. CT scan (PROBE: For example, of Head with Contrast CPT-4 70470)	m. Magnetic Resonance Imaging (PROBE: For example, of Brain CPT-4 70551)	n. Nuclear Scan (PROBE: For example, of Skeleton, CPT-4 78306)
--	--	--

Yes..... 1  
 No... EQU44L ..... 2  
 Yes... EQU44AL ..... 1  
 No..... 2

Yes..... 1  
 No... EQU44M ..... 2  
 Yes... EQU44AM ..... 1  
 No..... 2

Yes..... 1  
 No... EQU44N ..... 2  
 Yes... EQU44AN ..... 1  
 No..... 2

Purchased... 45L1 ..... 1  
 Leased... 45L2 ..... 2  
 Rent... 45L3 ..... 3

Purchased... 45M1 ..... 1  
 Leased... 45M2 ..... 2  
 Rent... 45M3 ..... 3

Purchased... 45N1 ..... 1  
 Leased... 45N2 ..... 2  
 Rent... 45N3 ..... 3

/////////  
 '/////////  
 '/////////  
 '/////////  
 47L  
 |\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

/////////  
 '/////////  
 '/////////  
 '/////////  
 47M  
 \$|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

/////////  
 '/////////  
 '/////////  
 '/////////  
 47N  
 \$|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

48L  
 Yes..... 1 (q.49)  
 No..... 2 (q.50)

48M  
 Yes..... 1 (q.49)  
 No..... 2 (q.50)

48N  
 Yes..... 1 (q.49)  
 No..... 2 (q.50)

49L  
 |\_|\_|\_|\_|%

49M  
 |\_|\_|\_|\_|%

49N  
 |\_|\_|\_|\_|%

50L  
 \$|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

50M  
 \$|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

50N  
 \$|\_|\_|\_|\_|\_|\_|\_|\_|\_|\_|

51L  
 #|\_|\_|\_|\_|\_|

51M  
 #|\_|\_|\_|\_|\_|

51N  
 #|\_|\_|\_|\_|\_|

52L  
 |\_|\_|\_|\_| min.

52M  
 |\_|\_|\_|\_| min.

52N  
 |\_|\_|\_|\_| min.

53L  
 |\_|\_|\_|\_| min. (BOX 24m)

53M  
 |\_|\_|\_|\_| min. (BOX 24m)

53N  
 |\_|\_|\_|\_| min. (PG. 29)



LABORATORY TESTS

INTERVIEWER: PHYSICIAN MUST ANSWER Q.54 AND Q.60-62. SOMEONE OTHER THAN THE  
PHYSICIAN MAY ANSWER Q.55-Q.59.

The next questions are about the costs associated with (your/Dr. \_\_\_\_\_)'s laboratory tests. For each of the following types of tests -- clinical chemistry, hematology, microbiology, and histology -- please indicate whether you lease or own the instruments, the annual purchase or lease costs, and annual operation and maintenance costs, including repairs, reagents, and supplies.

a.

Clinical Chemistry

PROBE: Measurement and identification of substances such as blood uric acid, serum cholesterol, and glucose.

54. (Do you/Does your group/Does Dr. \_\_\_\_\_) own, lease, or rent any (INSERT) laboratory equipment?

LAB54A  
Yes..... 1  
No..... 2

A. Outside of (your/Dr. \_\_\_\_\_)'s practice, (do you/does Dr. \_\_\_\_\_) have any investments in (INSERT) equipment?

LAB54AA  
Yes..... 1  
No..... 2

BOX 25. EQUIPMENT  
IF HAVE EQUIPMENT (Q.54 = 1), ASK Q.55-62.

55. [Returning to (your/Dr. \_\_\_\_\_)'s practice,] was the (INSERT) equipment purchased, leased, or rented? CODE ALL THAT APPLY.

55A1  
Purchased..... 1  
55A2  
Leased..... 2  
55A3  
Rented..... 3

56. What was the [total purchase price/annual (lease/rental) costs] of all the (INSERT) laboratory equipment currently (owned/lease or rented) by your practice?

56A  
\$|\_|\_|,|\_|\_|,|\_|\_|

57. (Were/are) any of the (INSERT) equipment (purchase/lease/rental) costs shared with another practice?

57A  
Yes..... 1 (Q.58)  
No..... 2 (Q.59)

58. What is (your/your group's/Dr. \_\_\_\_\_'s/Dr. \_\_\_\_\_'s group) share of the [purchase costs/annual (lease/rental) costs] of the (INSERT) equipment?

58A  
|\_|\_|%

59. What are the annual maintenance costs for the (INSERT) equipment, including any maintenance contracts?

59A  
\$|\_|,|\_|\_|,|\_|\_|

ASK Q.60-62 OF DOCTOR (CODE) Q.54 IF NECESSARY:

60. In the last full week of practice, approximately how many (INSERT) individual tests did (you/your group/Dr. \_\_\_\_\_/Dr. \_\_\_\_\_'s group) perform using the (INSERT) equipment?

60A  
|\_|\_|,|\_|\_|

61. Which of the following tests are performed using this equipment:

61A1 1. Blood uric acid..... 1 2  
61A2 2. Blood urea..... 1 2  
61A3 3. Serum cholesterol..... 1 2  
61A4 4. Glucose..... 1 2

62. Does your practice perform automated multichannel tests?

62A  
Yes..... 1 (A)  
No..... 2 (Q.55b)

A. How many different tests can be performed using the automated equipment?

62AA  
|\_| # of tests

B. Can the tests be performed discretely or only in designated combinations?

62BA  
Discretely..... 1

b.  
Hematology

PROBE: Measurement such as hematocrit, hemoglobin, and CBC.

LAB 54B  
Yes..... 1  
No..... 2  
  
LAB 54AB  
Yes..... 1  
No..... 2

c.  
Microbiology

PROBE: Enumeration or identification of pathogenic organisms or measurement of susceptibility to anti-microbial agents.

LAB 54C  
Yes..... 1  
No..... 2  
  
LAB 54AC  
Yes..... 1  
No..... 2

d.  
Histology

PROBE: Processing of tissues and cells.

LAB 54D  
Yes..... 1  
No..... 2  
  
LAB 54AD  
Yes..... 1  
No..... 2

Purchased... 55B1 ..... 1  
Leased... 55B2 ..... 2  
Rented... 55B3 ..... 3

56B

\$|\_|\_|,|\_|\_|,|\_|\_|

57B  
Yes..... 1 (Q.58)  
No..... 2 (Q.59)

58B

|\_|\_|%

59B

\$|\_|\_|,|\_|\_|,|\_|\_|

60B

|\_|\_|,|\_|\_|

Purchased... 55C1 ..... 1  
Leased... 55C2 ..... 2  
Rented... 55C3 ..... 3

56C

\$|\_|\_|,|\_|\_|,|\_|\_|

57C  
Yes..... 1 (Q.58)  
No..... 2 (Q.59)

58C

|\_|\_|%

59C

\$|\_|\_|,|\_|\_|,|\_|\_|

60C

|\_|\_|,|\_|\_| (BOX 25c)

Purchased... 55D1 ..... 1  
Leased... 55D2 ..... 2  
Rented... 55D3 ..... 3

56D

\$|\_|\_|,|\_|\_|,|\_|\_|

57D  
Yes..... 1 (Q.58)  
No..... 2 (Q.59)

58D

|\_|\_|%

59D

\$|\_|\_|,|\_|\_|,|\_|\_|

60D

|\_|\_|,|\_|\_| (BOX 26)

	Yes	No	
1. Hematocrit.....	1	2	61B1
2. Hemoglobin.....	1	2	61B2
3. Prothrombin time.....	1	2	61B3
4. Complete blood count.....	1	2	61B4
5. Sedimentation.....	1	2	61B5

62B  
Yes..... 1 (A)  
No..... 2 (Q.55c)

62AB

|\_| # of tests

62BB

Discretely..... 1 }  
Combinations..... 2 } (BOX 25c)

BOX 26.

DOES PRACTICE HAVE ANY LABORATORY EQUIPMENT  
(Q.54a, Q.54b, Q.54c or Q.54d - 1)?

NOF YES..... 1 (Q.63)  
NO..... 2 (BOX 27)

63. What percent of (your/Dr. \_\_\_\_\_'s) practice's gross revenues comes from the laboratory equipment that you own or lease? (PROBE FOR RANGE).

LAB63

64. Does [(your/your group's)/(Dr. \_\_\_\_\_/Dr. \_\_\_\_\_'s group's)] laboratory participate in any external proficiency testing programs?

LAB64 Yes..... 1 (Q.65)  
No..... 2 (Q.66)

65. Does (your/Dr. \_\_\_\_\_'s) lab participate in the program sponsored by the College of American Pathologists (CAP) or some other program? (PROBE: Which one?) CODE ALL THAT APPLY.

College of American Pathologists..... 1 LAB65A

Other program (SPECIFY BELOW)..... 2 LAB65B

66. Is (your/Dr. \_\_\_\_\_'s) laboratory certified by Medicare Title 18, by a state agency, or any other agency or program? CODE ALL THAT APPLY.

a. Medicare Title 18..... 1 LAB66A  
b. State agency..... 2 LAB66B  
c. Other (SPECIFY)..... 3 LAB66C  
d. NOT CERTIFIED..... 4 LAB66D

67. Who usually performs laboratory tests--a technician, nurse, physician, or someone else? CODE ALL THAT APPLY.

a. Technician..... 1 LAB67A  
b. Nurse..... 2 LAB67B  
c. Physician..... 3 LAB67C  
d. Someone else (SPECIFY BELOW).... 5 LAB67D

68. Are any members of (your/Dr. \_\_\_\_\_'s) staff certified by the American Society of Clinical Pathologists?

Yes..... 1 LAB68  
No..... 2

BOX 27.

Those are all the questions I have. Thank you for your time.

INTERVIEWER: GO TO PAGE 33.



INTERVIEWER REMARKS

INTERVIEWER: 69. WHO COMPLETED THE COST SECTION? IF MORE THAN ONE PERSON, CIRCLE THE MAIN INFORMANT.

INT69

- PHYSICIAN.....1
BOOKKEEPER.....2
OFFICE MANAGER.....3
ACCOUNTANT.....4
RECEPTIONIST.....5
BILLING OFFICE.....6
NOT APPLICABLE (PHYSICIAN EMPLOYEE).....7
OTHER (SPECIFY).....8

A. DID PHYSICIAN OR PROXY RESPONDENT USE THE COST INFORMATION WORKSHEET?

NOF

- YES.....1
NO.....2
NOT APPLICABLE (PHYSICIAN EMPLOYEE).....3

B. DID PHYSICIAN OR PROXY RESPONDENT PROVIDE FINANCIAL INFORMATION AT GROUP/CORPORATION LEVEL OR AT INDIVIDUAL PHYSICIAN LEVEL?

INT69B

- GROUP.....1
INDIVIDUAL.....2
NOT APPLICABLE (PHYSICIAN EMPLOYEE).....3

70. Length of the interview:

NOF
|---|---|---|
MINUTES

A. Date interview started

INT START
|---|---|---|---|---|---|
MONTH DAY YEAR

B. Date interview completed

INT DATE
|---|---|---|---|---|---|
MONTH DAY YEAR

71. In general, what was the physician's attitude toward the interview?

NOF

- Friendly and interested.....1
Cooperative but not particularly interested.....2
Impatient and restless.....3
Hostile.....4

72. Interview ID#: | 0 | 0 | 0 | | | | |

A. Your name here: -----

73. Supervisor's ID#: | 0 | 0 | 0 | | | | |

A. Supervisor's Name: -----

74. Quality Control ID#: |\_\_|\_\_|

A. CADER ID#: |\_\_|\_\_|

B. Record Try #: |\_\_|\_\_|

C. Record Day #: |\_\_|\_\_|

D. Record the time of last call: |\_\_|\_\_|\_\_|\_\_|  
HR. MIN.

E. Record Final Disposition: |\_\_|\_\_|

EXHIBIT 1-2  
UNIVERSE DEFINITIONS \*

<u>VARIABLE NAME</u>	<u>DEFINITION</u>	<u>PRACTICE TYPE</u>	<u>SPECIALTY</u>	<u>PRECEDENT DATA</u>
PUBLICID	PUBLIC USE IDENTIFIER	ALL	ALL	NONE
SPECIAL	DOCTORS UNCOLLAPSED SPECIALTY	ALL	ALL	IF SCR1 = 2
SELFSPEC	DOCTORS COLLAPSED SPECIALTY	ALL	ALL	NONE
WTVAR	WEIGHTING VARIABLE	ALL	ALL	NONE
CELL	THREE SAMPLE VARIABLES	ALL	ALL	NONE
SPEC4	FOUR ANALYTIC SPECIALTY CATEGORIES	ALL	ALL	NONE
DIVISION	UPDATED CENSUS DIVISION	ALL	ALL	NONE
REGION	REGION OF THE COUNTRY (4 CENSUS REGIONS)	ALL	ALL	NONE
SMSASIZ	THREE LEVELS OF URBANICITY	ALL	ALL	NONE
SMSA	URBAN, RURAL DICHOTOMY	ALL	ALL	NONE
SCR6A	FULL OR PART OWNER	ALL	ALL	NONE
SCR6B	EMPLOYED BY PHYSICIAN/GROUP PHYSICIANS	ALL	ALL	NONE
SCR6C	EMPLOYED BY FACULTY PRACTICE PLAN	ALL	ALL	NONE
SCR6D	EMPLOYED BY A HOSPITAL	ALL	ALL	NONE
SCR6E	EMPLOYED BY A CLINIC OR HMO	ALL	ALL	NONE
SCR6F	EMPLOYED BY FEDERAL GOVERNMENT AGENCY	ALL	ALL	NONE
SCR6G	EMPLOYED BY OTHER (SPECIFY)	ALL	ALL	NONE
SCR7C	R'S MEDICAL PRACTICE	ALL	ALL	NONE
SCR7D	R'S MAIN PRACTICE MULTI-SPECIALTY GROUP	ALL	ALL	IF SCR7C > 1
PRD8	# OF WEEKS R DID NOT PRACTICE	ALL	ALL	NONE
PRD9A	HRS WORKED DURING RECENT WK OF PRACTICE	ALL	ALL	NONE
PRD9B	TOTAL HRS SPENT ON ADMINISTRATIVE DUTIES	ALL	ALL	NONE
PRD9D	R'S WEEK AVERAGE IN TERMS OF WORKING HRS	ALL	ALL	NONE
PRD10A	HRS SPENT WITH PATIENTS IN THE OFFICE	ALL	EXCLUDES RAD, AN, AND PTH	NONE
PRD10B	HRS SPENT TREATING PATIENT IN HOSPITAL	ALL	EXCLUDES RAD, AN, AND PTH	NONE
PRD10C	HRS SPENT ON OPERATIONS/SURGICAL ASSISTS	ALL	EXCLUDES RAD, AN, AND PTH	NONE
PRD10D	HRS SPENT ON REGULAR HOSPITAL ROUNDS	ALL	EXCLUDES RAD, AN, AND PTH	NONE
PRD10E	HRS SPENT ON OTHER MEDICAL ACTIVITIES	ALL	EXCLUDES RAD, AN, AND PTH	NONE
PRD11A	# OF PATIENTS SEEN IN R'S OFFICE LAST WK	ALL	EXCLUDES RAD, AN, AND PTH	IF PRD10A > 0
PRD11B	# OF PATIENTS SEEN IN HOSPITAL LAST WK	ALL	EXCLUDES RAD, AN, AND PTH	IF PRD10B > 0
PRD11C	# OF OPERATIONS AND ASSISTS LAST WK	ALL	EXCLUDES RAD, AN, AND PTH	IF PRD10C > 0
PRD11C1	# OF OPERATIONS ON AN OUTPATIENT BASIS	ALL	EXCLUDES RAD, AN, AND PTH	IF PRD11C > 0
PRD11C2	PERFORM OPERATIONS IN SURGICAL FACILITY	ALL	EXCLUDES RAD, AN, AND PTH	IF PRD11C1 > 0
PRD11D	# OF INPATIENTS SEEN ON HOSPITAL ROUNDS	ALL	EXCLUDES RAD, AN, AND PTH	IF PRD10D > 0
SIZ12A	# PHYSICIANS WORKING AT LEAST 20 HRS/WK	ALL	ALL	NONE
SIZ12B	# PHYSICIANS NOT PARTNERS OR SHAREHOLDERS	ALL	ALL	IF SIZ12A > 0
SIZ12C	# PART-TIME PHYSICIANS/<20 HOURS/WEEK	ALL	ALL	NONE
SIZ12D	# PART-TIME PHYSICIANS IN PRACTICE	ALL	ALL	IF SIZ12C > 0
SIZ13	TOTAL PHYSICIANS IN PRACTICE SPECIALTY	ALL	ALL	IF SIZ12A + SIZ12C > 1

\* These universe definitions reflect the skip patterns used in the administration of the questionnaire. Some variables have been zero-filled if the precedent data element was zero; refer to chapter 2 for further details.

<u>VARIABLE NAME</u>	<u>DEFINITION</u>	<u>PRACTICE TYPE</u>	<u>SPECIALTY</u>	<u>PRECEDENT DATA</u>
SIZ14	TOTAL # OF NON-PHYSICIAN EMPLOYEES	ALL	ALL	NONE
SIZ15A1	# OF SOCIAL WORKER R'S PRACTICE EMPLOYED	ALL	PSYCHIATRISTS ONLY	IF SIZ14 > 0
SIZ15A2	# OF SOCIAL WORKERS WHO WORK 20 HRS A WK	ALL	PSYCHIATRISTS ONLY	IF SIZ15A1 > 0
SIZ15B1	# OF CRNAs R'S PRACTICE EMPLOYED	ALL	ANESTHESIOLOGISTS ONLY	IF SIZ14 > 0
SIZ15B2	# OF CRNAs WHO WORK 20 HRS A WEEK	ALL	ANESTHESIOLOGISTS ONLY	IF SIZ15B1 > 0
SIZ15C1	# OF RNs R'S PRACTICE EMPLOYED	ALL	ALL	IF SIZ14 > 0
SIZ15C2	# OF RNs WHO WORK 20 HRS A WK	ALL	ALL	IF SIZ15C1 > 0
SIZ15D1	# OF LPNs R'S PRACTICE EMPLOYED	ALL	ALL	IF SIZ14 > 0
SIZ15D2	# OF LPNs WHO WORK 20 HRS A WK	ALL	ALL	IF SIZ15D1 > 0
SIZ15E1	# OF MEDICAL AIDES R'S PRACTICE EMPLOYED	ALL	ALL	IF SIZ14 > 0
SIZ15E2	# OF MEDICAL AIDES WHO WORK 20 HRS A WK	ALL	ALL	IF SIZ15E1 > 0
SIZ15F1	# OF PRACTITIONERS R'S PRACTICE EMPLOYED	ALL	ALL	IF SIZ14 > 0
SIZ15F2	# OF PRACTITIONERS WHO WORK 20 HRS A WK	ALL	ALL	IF SIZ15F1 > 0
SIZ15G1	# OF OTHER EMPLOYEES IN R'S PRACTICE	ALL	ALL	IF SIZ14 > 0
SIZ15G2	# OF OTHER EMPLOYEES WHO WORK 20 HRS A WK	ALL	ALL	IF SIZ15G1 > 0
SIZ15H1	# OF CLERICAL STAFF R'S PRACTICE EMPLOYED	ALL	ALL	IF SIZ14 > 0
SIZ15H2	# OF CLERICAL STAFF WHO WORK 20 HRS A WK	ALL	ALL	IF SIZ15H1 > 0
COS16	WAGES FOR PHYSICIANS IN R'S PRACTICE	ALL	ALL	IF SCRS5A = 1
COS16A	TOTAL SPENT FOR PHYSICIAN DEFERRED COMP	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COS16B	TOTAL SPENT FOR PHYSICIAN FRINGE BENEFIT	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COSB9A1	PROVIDED SEPARATELY (AS ASKED)	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COSB9A2	DEFERRED COMP COMBINED WITH TOTAL WAGES	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COSB9A3	FRINGE BENEFITS COMBINED WITH TOTAL WAGES	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COSB9A4	BNFTS COMBINED W/DEFERRED COMPENSATION	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COS17	TOTAL WAGES FOR PHYSICIAN EMPLOYEES	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COS17A	TOTAL SPENT FOR EMPLOYEES DEFERRED COMP	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COS17B	TOTAL SPENT FOR EMPLOYEES FRINGE BENEFIT	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COSB11A1	PROVIDED SEPARATELY AS ASKED	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COSB11A2	DEFERRED COMP COMBINED W/ TOTAL WAGES	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COSB11A3	FRINGE BENEFITS COMBINED W/ TOTAL WAGES	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COSB11A4	BNFTS COMBINED W/DEFERRED COMPENSATION	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COS18	TOTAL WAGES FOR NON-PHYSICIAN EMPLOYEES	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ12B + SIZ120 > 0
COS18A	TOTAL SPENT NON-PHYSICIAN DEFERRED COMP	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ14 > 0
COS18B	TOTAL SPENT NON-PHYSICIAN FRINGE BENEFIT	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ14 > 0
COSB13A1	PROVIDED SEPARATELY AS ASKED	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ14 > 0
COSB13A2	DEFERRED COMP COMBINED WITH TOTAL WAGES	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ14 > 0
COSB13A3	FRINGE BENEFITS COMBINED WITH TOTAL WAGES	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ14 > 0
COSB13A4	BNFTS COMBINED W/DEFERRED COMPENSATION	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND SIZ14 > 0
COS19	DID R RENT OR OWN OFFICE SPACE	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COS19A	YEARLY OFFICE SPACE RENTAL OR LEASE COST	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND COS19 = 1 OR 3
COS19B	DEPRECIATION COST FOR OFFICE SPACE	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND COS19 = 2 OR 3
COS19C	RENTAL/LEASE INCLUDE UTILITIES/TELEPHONE	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND COS19 = 1 AND COS19A > 0 OR COS19B > 0
COS19D	EXPENSES FOR UTILITIES/TELEPHONE	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND COS19A = 0 OR (COS19A NE BLANK AND COS19B=0) OR COS19C = 2, 3, OR 4
COS19E	TOTAL SQUARE FOOTAGE OF OFFICE SPACE	FULL/PART OWNER ONLY	ALL	IF SCRS5A = 1
COS19F	COST PER SQUARE FOOT FOR OFFICE SPACE	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND COS19E = .0
COS20	REASON FOR NO EXPENSES FOR OFFICE SPACE	FULL/PART OWNER ONLY	ALL	IF SCRS5A=1 AND COS19 = 5 OR (COS19A AND COS19B = 0)



<u>VARIABLE NAME</u>	<u>DEFINITION</u>	<u>PRACTICE TYPE</u>	<u>SPECIALTY</u>	<u>PRECEDENT DATA</u>
COS20A	ANY DEPRECIATION COST FOR OFFICE IN HOME	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1 AND COS20 = 1
COS21	MEDICAL EQUIPMENT DEPRECIATION EXPENSES	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1
COS22	ANNUAL EXPENSES FOR ALL MEDICAL SUPPLIES	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1
COSBOX16	OFFICE SUPPLIES	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1
COS23	MALPRACTICE INSURANCE COST ALL MEMBERS	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1
COS24	AUTOMOBILE UPKEEP AND DEPRECIATION COST	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1
COS25	CONTINUING EDUCATION EXPENSES	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1
COS26	COST FOR MISCELLANEOUS ITEMS	FULL/PART OWNER ONLY	ALL	IF SCR5A = 1
INC29A	R'S OWN PERSONAL NET INCOME	ALL	ALL	NONE
INC29B	RANGE FOR PERSONAL NET INCOME CONTINUED	ALL	ALL	IF INC29A < 0
INC29C	ABOUT HOW MUCH WAS PERSONAL NET INCOME	ALL	ALL	IF INC29B = 19
INC30	NET INCOME % FRM OTHER MEDICAL PRACTICES	ALL	ALL	NONE
INC30A	APPROXIMATE AMOUNT OF THIS NET INCOME	ALL	ALL	IF INC30 = .D
MAL31	TOTAL MALPRACTICE INSURANCE PAID	ALL	ALL	NONE
MAL32	AMOUNT PAID TO PATIENT COMPENSATION FUND	ALL	ALL	PRACTICE IN CO, FL, IL, IN, KS, MI, NE, NC, OR, PA, SC, VA, WI, OR WY
MAL33	HOSPITAL PAYS R'S MALPRACTICE INSURANCE	ALL	ALL	NONE
MAL33A	TOTL MALPRACTICE INSURANCE HOSPITAL PAID	ALL	ALL	IF MAL33 = 1
MAL34	HOSPITAL PROVIDE COVERAGE OR NOT INSURED	ALL	ALL	IF MAL31 > 0 OR MAL33A > 0
MAL34A	YEAR DISCONTINUED MALPRACTICE INSURANCE	ALL	ALL	IF MAL34 = 2
MAL35	LIMIT PER CASE ON MALPRACTICE POLICIES	ALL	ALL	IF MAL34 DID NOT EQUAL 2
Q35VERB	VERBATIM LIMIT ALL MALPRACTICE POLICIES	ALL	ALL	IF MAL35 = 7
MAL36	TOTAL LIMIT ON ALL MALPRACTICE POLICIES	ALL	ALL	IF MAL34 DID NOT EQUAL 2
Q36VERB	VERBATIM LIMIT ALL MALPRACTICE POLICIES	ALL	ALL	IF MAL36 = 7
MAL37	DOES R HAVE AN UMBRELLA POLICY	ALL	ALL	NONE
MAL37A	LIMIT ON R'S UMBRELLA POLICY	ALL	ALL	IF MAL37 = 1
MED38A	% OF REVENUES FROM UNINSURED PATIENTS	ALL	ALL	NONE
MED38B	% OF REVENUES COLLECTED FROM MEDICARE	ALL	ALL	NONE
MED38C	% OF REVENUES COLLECTED FROM MEDICAID	ALL	ALL	NONE
MED38D	% OF REVENUES FROM PRIVATE BLUE SHIELD	ALL	ALL	NONE
MED38E	REVENUES % FRM OTHR PRIVATE HEALTH PLANS	ALL	ALL	NONE
MED38F	% OF REVENUES FROM OTHER SOURCES SPECIFY	ALL	ALL	NONE
MEDBX21B	PERCENTAGES REPORTED COMBINED/SEPARATELY	ALL	ALL	NONE
MEDBX21C	PERCENTAGES INDIVIDUAL OR PRACTICE LEVEL	ALL	ALL	NONE
MED38G	% OF MEDICARE HAD SUPPLEMENTAL INSURANCE	ALL	ALL	IF MED38B > 0
MED38H	% OF MEDICARE CASES COVERED BY MEDICAID	ALL	ALL	IF MED38B > 0
MED39	SIGN MEDICARE AGREEMENT IN APRIL 1988	ALL	ALL	IF MED38B > 0
MED40	SIGN MEDICARE AGREEMENT IN JANUARY 1989	ALL	ALL	IF MED38B > 0
MED40A	SIGN IN 1988 & NOT 1989 IS THAT CORRECT	ALL	ALL	IF MED38B > 0
MED40B	% OF MEDICARE ACCEPTED ON ASSIGNMENT	ALL	ALL	IF MED38B > 0
MED40C	% NON-ASSIGNED MEDICARE COLLECT IN FULL	ALL	ALL	IF MED38B > 0 AND EXCLUDED IF MED40B = 100
MED41A	% BILL TO INSURER OR MEDICAID DIRECTLY	ALL	ALL	IF MED38B > 0 AND EXCLUDED IF MED40B = 0
MED41B	% BILL TO THE PATIENT DIRECTLY	ALL	ALL	IF MED38B > 0 AND EXCLUDED IF MED40B = 0
MED41C	% BILL TO PATIENT FOR THE DEDUCTIBLE	ALL	ALL	IF MED38B > 0 AND EXCLUDED IF MED40B = 0
MED41D	% BILL TO PATIENT FOR THE COINSURANCE	ALL	ALL	IF MED38B > 0 AND EXCLUDED IF MED40B = 0
MED42	% OF DEDUCTIBLE & COINSURANCE R COLLECT	ALL	ALL	IF MED38B > 0 AND EXCLUDED IF MED40B = 0
DEM43	RACE OF RESPONDENT	ALL	ALL	NONE
INT69	WHO COMPLETED COST SECTION	ALL	ALL	NONE
INT69A	USE OF COST INFORMATION WORKSHEET	ALL	ALL	NONE
INT69B	INFO AT GROUP OR INDIVIDUAL LEVEL	ALL	ALL	NONE

VARIABLE NAME	DEFINITION	PRACTICE TYPE	SPECIALTY	PRECEDENT DATA
AGE	AGE OF RESPONDENT (1988-BIRTH YEAR)	ALL	ALL	NONE
AGE_R	RECORDED AGE OF RESPONDENT	ALL	ALL	NONE
SEX	RESPONDENT'S SEX	ALL	ALL	NONE
FMG	FOREIGN OR DOMESTIC SCHOOL GRADUATE	ALL	ALL	NONE
BOARD1	BOARD CERTIFIED OR NOT	ALL	ALL	NONE
BOARD2	SECOND BOARD CERTIFICATION	ALL	ALL	NONE
PROXY	FINANCIAL INFORMATION PROVIDED BY PROXY	ALL	ALL	NONE
MODE	CAPTURE METHOD	ALL	ALL	NONE
EQU44A	R OWNS/LEASES/RENDS X-RAY EQUIPMT	ALL	ALL	NONE
EQU44AA	R HAS INVESTMENT IN X-RAY EQUIPMENT	ALL	ALL	IF EQU44A = 1
EQU45A1	X-RAY EQUIPMENT PURCHASED	ALL	ALL	IF EQU44A = 1
EQU45A2	X-RAY EQUIPMENT LEASED	ALL	ALL	IF EQU44A = 1
EQU45A3	X-RAY EQUIPMENT RENTED	ALL	ALL	IF EQU44A = 1
EQU47A	TOTAL COST OF X-RAY EQUIPMENT	ALL	ALL	IF EQU44A = 1
EQU48A	X-RAY EQUIPMENT COSTS SHARED	ALL	ALL	IF EQU44A = 1
EQU49A	R'S SHARE OF X-RAY EQUIPMENT COSTS	ALL	ALL	IF EQU44A = 1
EQU50A	MAINTENANCE COST FOR X-RAY EQUIPMENT	ALL	ALL	IF EQU44A = 1
EQU51A	# OF TESTS PERFORMD USING X-RAY EQUIPMT	ALL	ALL	IF EQU44A = 1
EQU52A	PHYSICIAN TIME INVOLVED IN X-RAY	ALL	ALL	IF EQU44A = 1
EQU53A	NON-PHYSICIAN TIME SPENT ASSISTING X-RAY	ALL	ALL	IF EQU44A = 1
EQU44B	R OWNS/LEASES/RENDS EKG EQUIPMENT	ALL	ALL	NONE
EQU44AB	R HAS INVESTMENT IN ROUTINE EKG EOPMNT	ALL	ALL	NONE
EQU45B1	EKG EQUIPMENT PURCHASED	ALL	ALL	IF EQU44B = 1
EQU45B2	EKG EQUIPMENT LEASED	ALL	ALL	IF EQU44B = 1
EQU45B3	EKG EQUIPMENT RENTED	ALL	ALL	IF EQU44B = 1
EQU47B	TOTAL COST OF EKG EQUIPMENT	ALL	ALL	IF EQU44B = 1
EQU48B	ROUTINE EKG EQUIPMENT COSTS SHARED	ALL	ALL	IF EQU44B = 1
EQU49B	R'S SHARE OF EKG EQUIPMENT COSTS	ALL	ALL	IF EQU44B = 1
EQU50B	MAINTENANCE COST FOR EKG EQUIPMENT	ALL	ALL	IF EQU44B = 1
EQU51B	# OF TESTS PERFORMED USING EKG EQUIPMENT	ALL	ALL	IF EQU44B = 1
EQU52B	PHYSICIAN TIME INVOLVED IN EKG	ALL	ALL	IF EQU44B = 1
EQU53B	NON-PHYSICIAN TIME SPENT ASSISTING EKG	ALL	ALL	IF EQU44B = 1
EQU44C	R OWNS/LEASES/RENDS/ULTRASOUND EQUIPMENT	ALL	ALL	NONE
EQU44AC	R HAS INVESTMENT IN DIAG ULTRASOUND EQUIP	ALL	ALL	NONE
EQU45C1	ULTRASOUND EQUIPMENT PURCHASED	ALL	ALL	IF EQU44C = 1
EQU45C2	ULTRASOUND EQUIPMENT LEASED	ALL	ALL	IF EQU44C = 1
EQU45C3	ULTRASOUND EQUIPMENT RENTED	ALL	ALL	IF EQU44C = 1
EQU46C1	R HAS A MODE ULTRASOUND EQUIPMENT	ALL	ALL	IF EQU44C = 1
EQU46C2	R HAS M MODE ULTRASOUND EQUIPMENT	ALL	ALL	IF EQU44C = 1
EQU46C3	R HAS B SCAN ULTRASOUND EQUIPMENT	ALL	ALL	IF EQU44C = 1
EQU46C4	R HAS REAL TIME SCAN ULTRASOUND EQUIPMT	ALL	ALL	IF EQU44C = 1
EQU47C	TOTAL COST OF ULTRASOUND EQUIPMENT	ALL	ALL	IF EQU44C = 1
EQU48C	ULTRASOUND EQUIPMENT COSTS SHARED	ALL	ALL	IF EQU44C = 1
EQU49C	R'S SHARE OF ULTRASOUND EQUIPMENT COSTS	ALL	ALL	IF EQU44C = 1
EQU50C	MAINTENANCE COST FOR ULTRASOUND EQUIPMT	ALL	ALL	IF EQU44C = 1
EQU51C	# TESTS PERFORMD USING ULTRASOUND EQUIP.	ALL	ALL	IF EQU44C = 1
EQU52C	PHYSICIAN TIME INVOLVED IN ULTRASOUND	ALL	ALL	IF EQU44C = 1
EQU53C	NON-PHYSICIAN TIME ASSISTING ULTRASOUND	ALL	ALL	IF EQU44C = 1
EQU44D	R OWNS/LEASES/RENDS ENDOSCOPY EQUIPMENT	ALL	ALL	NONE

INCLUDES IM, GP, FP,  
GS, AND GE ONLY

<u>VARIABLE NAME</u>	<u>DEFINITION</u>	<u>PRACTICE TYPE</u>	<u>SPECIALTY</u>	<u>PRECEDENT DATA</u>
EQU44AD	R HAS INVESTMENT IN ENDOSCOPY EQUIPMENT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	NONE
EQU45D1	R'S ENDOSCOPY EQUIPMENT PURCHASED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU45D2	UPPER GI ENDOSCOPY EQUIPMENT LEASED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU45D3	UPPER GI ENDOSCOPY EQUIPMENT RENTED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU47D	TOTAL COST OF ENDOSCOPY EQUIPMENT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU48D	ENDOSCOPY EQUIPMENT COSTS SHARED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU49D	R'S SHARE OF ENDOSCOPY EQUIPMENT COSTS	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU48D = 1
EQU50D	MAINTENANCE COST FOR ENDOSCOPY EQUIPMENT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU51D	# OF TESTS PERFORMD USING ENDOSCOPY EQUIP	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU52D	PHYSICIAN TIME INVOLVED IN ENDOSCOPY	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU53D	NON-PHYSICIAN TIME ASSISTING ENDOSCOPY	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44D = 1
EQU44E	R OWNS/LEASES/RENT SIGMOIDOSCOPY EQUIPMNT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	NONE
EQU44AE	R HAS INVESTMENT IN SIGMOIDOSCOPY EQUIP	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	NONE
EQU45E1	FLEXIBLE SIGMOIDOSCOPY EQUIPMNT PURCHASED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU45E2	FLEXIBLE SIGMOIDOSCOPY EQUIPMENT LEASED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU45E3	FLEXIBLE SIGMOIDOSCOPY EQUIPMENT RENTED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU47E	TOTAL COST OF SIGMOIDOSCOPY EQUIPMENT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU48E	SIGMOIDOSCOPY EQUIPMENT COSTS SHARED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU49E	R'S SHARE OF SIGMOIDOSCOPY EQUIP COSTS	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU48E = 1
EQU50E	MAINTENANCE COST FOR SIGMOIDOSCOPY EQUIP	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU51E	# TESTS DONE USING SIGMOIDOSCOPY EQUIPMENT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU52E	PHYSICIAN TIME INVOLVED IN SIGMOIDOSCOPY	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU53E	NON-PHYSICIAN TIME ASSISTING SIGMOIDOSCOPY	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44E = 1
EQU44F	R OWNS/LEASES/RENTS/COLONOSCOPY EQUIPMENT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	NONE



VARIABLE

<u>NAME</u>	<u>DEFINITION</u>	<u>PRACTICE TYPE</u>	<u>SPECIALTY</u>	<u>PRECEDENT DATA</u>
EQU44AF	R HAS INVESTMENT IN COLONOSCOPY EQUIPMT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	NONE
EQU45F1	COLONOSCOPY EQUIPMENT PURCHASED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU45F2	COLONOSCOPY EQUIPMENT LEASED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU45F3	COLONOSCOPY EQUIPMENT RENTED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU47F	TOTAL COST OF COLONOSCOPY EQUIPMENT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU48F	COLONOSCOPY EQUIPMENT COSTS SHARED	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU49F	R'S SHARE OF COLONOSCOPY EQUIPMENT COSTS	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU48F - 1
EQU50F	MAINTENANCE COST OF COLONOSCOPY EQUIPMT	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU51F	# TESTS PERFORMD USING COLONOSCOPY EQUIP	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU52F	PHYSICIAN TIME INVOLVED IN COLONOSCOPY	ALL	INCLUDES IM, GP, FP, GS, AND GE ONLY	IF EQU44F - 1
EQU53F	NON-PHYSICIAN TIME ASSISTING COLONOSCOPY	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44F - 1
EQU44G	R OWNS/LEASES/RENDS STRESS TEST EQUIPMT	ALL	INCLUDES IM, AND GP/FP ONLY	NONE
EQU44AG	R HAS INVESTMENT IN STRESS TEST EQUIP	ALL	INCLUDES IM, AND GP/FP ONLY	NONE
EQU45G1	CARDIOVASCULAR EQUIPMENT PURCHASED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU45G2	CARDIOVASCULAR EQUIPMENT LEASED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU45G3	CARDIOVASCULAR EQUIPMENT RENTED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU47G	TOTAL COST OF STRESS TEST EQUIPMENT	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU48G	STRESS TEST EQUIPMENT COSTS SHARED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU49G	R'S SHARE OF STRESS TEST EQUIPMENT COSTS	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU48G - 1
EQU50G	MAINTENANCE COST: STRESS TEST EQUIPMENT	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU51G	# TESTS DONE USING CARDIOVASCULAR EQUIP	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU52G	PHYSICIAN TIME INVOLVED IN STRESS TESTS	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU53G	NON-PHYSICIAN TIME ASSISTING STRESS TEST	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44G - 1
EQU44H	R OWNS/LEASES/RENDS ECG EQUIPMENT	ALL	INCLUDES IM, AND GP/FP ONLY	NONE
EQU44AH	R HAS INVESTMENT IN ECG MONITOR EQUIPMENT	ALL	INCLUDES IM, AND GP/FP ONLY	NONE
EQU45H1	ELECTROCARDIOGRAPHIC EQUIPMENT PURCHASED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU45H2	ELECTROCARDIOGRAPHIC EQUIPMENT LEASED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU45H3	ELECTROCARDIOGRAPHIC EQUIPMENT RENTED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU47H	TOTAL COST OF ECG EQUIPMENT	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU48H	ECG EQUIPMENT COSTS SHARED	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU49H	R'S SHARE OF ECG EQUIPMENT COSTS	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU50H	MAINTENANCE COSTS FOR ECG EQUIPMENT	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU51H	# TESTS PERFORMED USING ECG EQUIPMENT	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU52H	PHYSICIAN TIME INVOLVED IN ECG	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU53H	NON-PHYSICIAN TIME SPENT ASSISTING ECG	ALL	INCLUDES IM, AND GP/FP ONLY	IF EQU44H - 1
EQU44I	R OWNS/LEASES/RENDS ECG EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	NONE
EQU44AI	R HAS ANY INVESTMENTS IN ECG EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	NONE
EQU45I1	CARDIOLOGISTS ECG EQUIPMENT PURCHASED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I - 1
EQU45I2	CARDIOLOGISTS - ECG EQUIPMENT LEASED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I - 1



VARIABLE NAME	DEFINITION	PRACTICE TYPE	SPECIALTY	PRECEDENT DATA
EQU45I3	CARDIOLOGISTS - ECG EQUIPMENT RENTED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I = 1
EQU47I	TOTAL COST OF ECG EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I = 1
EQU48I	ECG EQUIPMENT COSTS SHARED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I = 1
EQU49I	R'S SHARE OF ECG EQUIPMENT COSTS	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU48I = 1
EQU50I	MAINTENANCE COST FOR ECG EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I = 1
EQU51I	# TESTS PERFORMED USING ECG EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I = 1
EQU52I	PHYSICIAN TIME INVOLVED IN ECG	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44I = 1
EQU53I	NON-PHYSICIAN TIME ASSISTING ECG	ALL	INCLUDES CARDIOLOGISTS ONLY	NONE
EQU44J	R OWNS/LEASES/RENDS STRESS TEST EQUIP	ALL	INCLUDES CARDIOLOGISTS ONLY	NONE
EQU44AJ	R HAS INVESTMENT STRESS TEST EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU45J1	CARDIOVASCULAR EQUIPMENT PURCHASED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU45J2	CARDIOVASCULAR EQUIPMENT LEASED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU45J3	CARDIOVASCULAR EQUIPMENT RENTED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU47J	TOTAL COST OF STRESS TEST EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU48J	STRESS TEST EQUIPMENT COSTS SHARED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU49J	R'S SHARE OF STRESS TEST EQUIP COSTS	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU48J = 1
EQU50J	MAINTENANCE COST: STRESS TEST EQUIPMENT	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU51J	# TESTS DONE USING CARDIOVAS. EQUIP. -CAR	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU52J	PHYSICIAN TIME INVOLVED IN STRESS TEST	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU53J	NON-PHYSICIAN TIME ASSISTING STRESS TEST	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44J = 1
EQU44K	R OWNS/LEASES BLOOD POOL IMAGERY EQUIP	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU44AK	R HAS INVESTMENT: BLOOD POOL IMAGERY EQUIP	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU45K1	MYOCARDIUM EQUIPMENT PURCHASED	ALL	INCLUDES CARDIOLOGISTS ONLY	NONE
EQU45K2	MYOCARDIUM EQUIPMENT LEASED	ALL	INCLUDES CARDIOLOGISTS ONLY	NONE
EQU45K3	MYOCARDIUM EQUIPMENT RENTED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU47K	TOTAL COST OF BLOOD POOL IMAGERY EQUIP	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU48K	BLOOD POOL IMAGERY EQUIP COSTS SHARED	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU49K	R'S SHARE: BLOOD POOL IMAGERY EQUIP COST	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU50K	MAINT. COSTS: BLOOD POOL IMAGERY EQUIP	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU51K	# TESTS PERFORMD USING MYOCARDIUM EQUIP	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU52K	PHYSICIAN TIME IN BLOOD POOL IMAGERY	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU53K	NON-PHYSICIAN TIME: BLOOD POOL IMAGERY	ALL	INCLUDES CARDIOLOGISTS ONLY	IF EQU44K = 1
EQU44L	R OWNS/LEASES/RENDS CT. SCAN EQUIPMENT	ALL	INCLUDES RADIOLOGISTS ONLY	NONE
EQU44AL	R HAS INVESTMENT IN CT SCAN EQUIPMENT	ALL	INCLUDES RADIOLOGISTS ONLY	NONE
EQU45L1	CT SCAN EQUIPMENT PURCHASED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU45L2	RADIOLOGISTS - CT SCAN EQUIPMENT LEASED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU45L3	RADIOLOGISTS - CT SCAN EQUIPMENT RENTED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU47L	TOTAL COST OF CT SCAN EQUIPMENT	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU48L	CT SCAN EQUIPMENT COSTS SHARED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU49L	R'S SHARE OF CT SCAN EQUIPMENT COSTS	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU50L	MAINTENANCE COST FOR CT SCAN EQUIPMENT	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU51L	# TESTS PERFORMD USING CT SCAN EQUIPMNT	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU52L	PHYSICIAN TIME INVOLVED IN CT SCAN	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU53L	NON-PHYSICIAN TIME ASSISTING CT SCAN	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44L = 1
EQU44M	R OWNS/LEASES/RENDS MAGNETIC RES EQUIP	ALL	INCLUDES RADIOLOGISTS ONLY	NONE
EQU44AM	R HAS INVESTMENT IN MAG RESONANCE EQUIP	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU45M1	RESONANCE IMAGING EQUIPMENT PURCHASED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU45M2	MAGNETIC RESONANCE IMAGING EQUIP LEASED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU45M3	MAGNETIC RESONANCE IMAGE EQUIPMENT RENTED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU47M	TOTAL COST OF MAGNETIC RES IMAGING EQUIP	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1

<u>VARIABLE NAME</u>	<u>DEFINITION</u>	<u>PRACTICE TYPE</u>	<u>SPECIALTY</u>	<u>PRECEDENT DATA</u>
EQU48M	MAGNETIC RES IMAGING EQUIP COST SHARED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU49M	R'S SHARE OF MAG RES IMAGERY EQUIP COSTS	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU48M = 1
EQU50M	MAINTENANCE COSTS FOR MRI EQUIPMENT	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU51M	# TESTS WITH RESONANCE IMAGING EQUIPMENT	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU52M	PHYSICIAN TIME INVOLVED IN MAG RES IMAGE	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU53M	NON-PHYSICIAN TIME: MAGNETIC RES IMAGERY	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU44N	R OWNS/LEASES/RENDS NUCLEAR SCAN EQUIP	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44M = 1
EQU44AN	R HAS INVESTMENT IN NUCLEAR SCAN EQUIP	ALL	NONE	NONE
EQU45N1	NUCLEAR SCAN EQUIPMENT PURCHASED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU45N2	NUCLEAR SCAN EQUIPMENT LEASED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU45N3	NUCLEAR SCAN EQUIPMENT RENTED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU47N	TOTAL COST OF NUCLEAR SCAN EQUIPMENT	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU48N	NUCLEAR SCAN EQUIPMENT COSTS SHARED	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU49N	R'S SHARE NUCLEAR SCAN EQUIPMENT COSTS	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU50N	MAINTENANCE COST FOR NUCLEAR SCAN EQUIP	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU48N = 1
EQU51N	# TESTS DONE USING NUCLEAR SCAN EQUIP/INT	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU52N	PHYSICIAN TIME INVOLVED IN NUCLEAR SCAN	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
EQU53N	NON-PHYSICIAN TIME ASSISTING NUCLEAR SCAN	ALL	INCLUDES RADIOLOGISTS ONLY	IF EQU44N = 1
LAB54A	R OWNS/LEASES/RENDS CLINICAL CHEM EQUIP	ALL	ALL	NONE
LAB54AA	R HAS INVESTMENT IN CLINICAL CHEM EQUIP	ALL	ALL	NONE
LAB55A1	CLINICAL CHEMISTRY EQUIPMENT SHARED	ALL	ALL	IF LAB54A = 1
LAB55A2	R'S SHARE OF CLINICAL CHEM. EQUIP COSTS	ALL	ALL	IF LAB54A = 1
LAB55A3	CLINICAL CHEMISTRY EQUIPMENT PURCHASED	ALL	ALL	IF LAB54A = 1
LAB55A4	CLINICAL CHEMISTRY EQUIPMENT LEASED	ALL	ALL	IF LAB54A = 1
LAB55A5	CLINICAL CHEMISTRY EQUIPMENT RENTED	ALL	ALL	IF LAB54A = 1
LAB56A	TOTAL COST OF CLINICAL CHEM. EQUIPMENT	ALL	ALL	IF LAB54A = 1
LAB57A	CLINICAL CHEMISTRY EQUIPMENT COSTS SHARED	ALL	ALL	IF LAB54A = 1
LAB58A	R'S SHARE OF CLINICAL CHEM. EQUIP COSTS	ALL	ALL	IF LAB57A = 1
LAB59A	CLINICAL CHEMISTRY EQUIPMENT PURCHASED	ALL	ALL	IF LAB54A = 1
LAB60A	# OF CLINICAL CHEMISTRY TESTS PERFORMED	ALL	ALL	IF LAB54A = 1
LAB61A1	BLOOD URIC ACID TESTS PERFORMED	ALL	ALL	IF LAB54A = 1
LAB61A2	BLOOD UREA TESTS PERFORMED	ALL	ALL	IF LAB54A = 1
LAB61A3	SERUM CHOLESTEROL TESTS PERFORMED	ALL	ALL	IF LAB54A = 1
LAB61A4	GLUCOSE TESTS PERFORMED	ALL	ALL	IF LAB54A = 1
LAB62A	PRACTICE PERFORMS MULTICHANNEL TESTS	ALL	ALL	IF LAB54A = 1
LAB62AA	# DIFFERENT MULTICHANNEL TESTS PERFORMED	ALL	ALL	IF LAB54A = 1
LAB62DA	# DIFFERENT MULTICHANNEL TESTS PERFORMED	ALL	ALL	IF LAB62A = 1
LAB54B	R OWNS/LEASES/RENDS HEMATOLOGY EQUIPMENT	ALL	ALL	NONE
LAB54AB	R HAS INVESTMENT IN HEMATOLOGY EQUIPMENT	ALL	ALL	NONE
LAB55B1	HEMATOLOGY EQUIPMENT PURCHASED	ALL	ALL	IF LAB54B = 1
LAB55B2	HEMATOLOGY EQUIPMENT LEASED	ALL	ALL	IF LAB54B = 1
LAB55B3	HEMATOLOGY EQUIPMENT RENTED	ALL	ALL	IF LAB54B = 1
LAB55B8	TOTAL COST OF HEMATOLOGY EQUIPMENT	ALL	ALL	IF LAB54B = 1
LAB57B	HEMATOLOGY EQUIPMENT COSTS SHARED	ALL	ALL	IF LAB54B = 1
LAB58B	R'S SHARE OF HEMATOLOGY EQUIPMENT COST	ALL	ALL	IF LAB57B = 1
LAB59B	HEMATOLOGY EQUIPMENT MAINTENANCE COSTS	ALL	ALL	IF LAB54B = 1
LAB60B	# OF HEMATOLOGY TEST PERFORMED	ALL	ALL	IF LAB54B = 1
LAB61B1	HEMATOCRIT TESTS PERFORMED	ALL	ALL	IF LAB54B = 1
LAB61B2	HEMOGLOBIN TESTS PERFORMED	ALL	ALL	IF LAB54B = 1
LAB61B3	PROTHROMBIN TIME TESTS PERFORMED	ALL	ALL	IF LAB54B = 1
LAB61B4	COMPLETE BLOOD COUNTS PERFORMED	ALL	ALL	IF LAB54B = 1
LAB61B5	SEDIMENTATION TESTS PERFORMED	ALL	ALL	IF LAB54B = 1

<u>VARIABLE NAME</u>	<u>DEFINITION</u>	<u>PRACTICE TYPE</u>	<u>SPECIALTY</u>	<u>PRECEDENT DATA</u>
LAB62B	PRACTICE PERFORMS MULTICHANNEL TESTS	ALL	ALL	IF LAB62B = 1
LAB62AB	MULTICHANNEL TESTS PERFORMED DISCRETELY	ALL	ALL	IF LAB62B = 1
LAB62BB	MULTICHANNEL TESTS PERFORMED DISCRETELY	ALL	ALL	NONE
LAB54C	R OWNS/LEASES/RENDS/MICROBIOLOGY EQUIP	ALL	ALL	NONE
LAB54AC	R HAS INVESTMENT IN MICROBIOLOGY EQUIP	ALL	ALL	IF LAB54C = 1
LAB55C1	MICROBIOLOGY EQUIPMENT PURCHASED	ALL	ALL	IF LAB54C = 1
LAB55C2	MICROBIOLOGY EQUIPMENT LEASED	ALL	ALL	IF LAB54C = 1
LAB55C3	MICROBIOLOGY EQUIPMENT RENTED	ALL	ALL	IF LAB54C = 1
LAB56C	TOTAL COST OF MICROBIOLOGY EQUIPMENT	ALL	ALL	IF LAB54C = 1
LAB57C	MICROBIOLOGY EQUIPMENT COSTS SHARED	ALL	ALL	IF LAB54C = 1
LAB58C	R'S SHARE OF MICROBIOLOGY EQUIP COSTS	ALL	ALL	IF LAB57C = 1
LAB59C	MICROBIOLOGY EQUIPMENT MAINTENANCE COSTS	ALL	ALL	IF LAB54C = 1
LAB60C	# OF MICROBIOLOGY TESTS PERFORMED	ALL	ALL	IF LAB54C = 1
LAB54D	R OWNS/LEASES/RENDS HISTOLOGY EQUIPMENT	ALL	ALL	NONE
LAB55D1	R HAS INVESTMENT IN HISTOLOGY EQUIPMENT	ALL	ALL	NONE
LAB55D2	HISTOLOGY EQUIPMENT PURCHASED	ALL	ALL	IF LAB54D = 1
LAB55D3	HISTOLOGY EQUIPMENT LEASED	ALL	ALL	IF LAB54D = 1
LAB56D	HISTOLOGY EQUIPMENT RENTED	ALL	ALL	IF LAB54D = 1
LAB57D	TOTAL COST OF HISTOLOGY EQUIPMENT	ALL	ALL	IF LAB54D = 1
LAB58D	HISTOLOGY EQUIPMENT COSTS SHARED	ALL	ALL	IF LAB54D = 1
LAB59D	R'S SHARE OF HISTOLOGY EQUIPMENT COSTS	ALL	ALL	IF LAB57D = 1
LAB60D	HISTOLOGY EQUIPMENT MAINTENANCE COSTS	ALL	ALL	IF LAB54D = 1
LAB63	# OF HISTOLOGY TESTS PERFORMED	ALL	ALL	IF LAB54D = 1
	% OF GROSS REVENUES FROM LAB TEST IN OFC	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1
LAB64	R'S LAB PARTICIPATE IN EXTERNAL TESTING	ALL	ALL	LAB54C = 1 OR LAB54D = 1
LAB65A	LAB PARTICIPATES IN CAP PROGRAM	ALL	ALL	IF LAB84 = 1
LAB65B	LAB PARTICIPATES IN OTHER PROGRAM	ALL	ALL	IF LAB84 = 1
LAB66A	R'S LAB CERTIFIED BY MEDICARE TITLE 18	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1
LAB66B	R'S LAB CERTIFIED BY A STATE AGENCY	ALL	ALL	IF LAB84 = 1
LAB66C	R'S LAB CERTIFIED BY OTHER AGENCY/PROGRAM	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1
LAB66D	R'S LABORATORY NOT CERTIFIED	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1
LAB67A	TECHNICIAN USUALLY PERFORMS LAB TESTS	ALL	ALL	LAB54C = 1 OR LAB54D = 1
LAB67B	NURSE USUALLY PERFORMS LAB TESTS	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1
LAB67C	PHYSICIAN USUALLY PERFORMS LAB TESTS	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1
LAB67D	SOMEONE ELSE USUALLY PERFORMS LAB TESTS	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1
LAB68	STAFF MEMBERS CERTIFIED BY ASCP	ALL	ALL	IF LAB54A = 1 OR LAB54B = 1 OR LAB54C = 1 OR LAB54D = 1



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**CHAPTER 2**

***DESCRIPTION OF***

***DATA PREPARATION EFFORTS***





## 2.0 DESCRIPTION OF DATA PREPARATION EFFORTS

Chapter 2 details the data preparation efforts carried out on the 1988 PPCIS. These include:

- Evaluation of Reserve Codes;
- Reconciliation of Group-Level versus Individual-Level Responses;
- Assessment of Outlier Values;
- Reconciliation of Practice Revenues and Practice Expenses;
- Creation of Supplemental Variables;
- Recoding of Skip Patterns and Categorical Variables;
- Miscellaneous Recodes; and
- Preparation of the Equipment Supplement.

### 2.1 Evaluation of Reserve Codes

#### 2.1.1 Overview

Eight reserve codes were used in coding non-numeric data from the PPCIS. Exhibit 2-1 presents the special missing values that were used in SAS code to represent the reserve codes. Special missing values, such as a ".D" for don't know or ".R" for refused, are preferred to numeric codes because SAS ignores the special missing in numeric calculations (such as means). In addition, these special missing values are standardized across all variables, regardless of column width and thus, are more immediately recognizable as reserve codes.

This section describes the decision rules applied to our review of the reserve codes. The majority of our effort was expended on identifying and coding combined values. In addition, we reviewed all values coded as "not applicable," "uncodeable," and "out-of-range" to ensure first, that all available numeric data had been entered into the analytic file (rather than retained in a verbatim comment), and second, that the reserve codes were applied consistently across items and cases.

#### 2.1.2 Combined Responses

In the cost section of the survey, physicians were asked to report separate values for eighteen components of practice costs. In a large number of cases, physicians were unable to report separate amounts for each type of cost. Almost all variables included at least one case (and in some instances several hundred cases) for which some other cost value was combined into the value reported. For instance, in question 16 on gross physician wages, approximately 500 cases combined deferred income with gross wages and another 400 combined fringe benefits with wages. For physician salaries, BOX9A2=2 could be used to identify those cases in which deferred income was combined with gross wages and BOX9A3=3 identified cases that combined fringe benefits with gross wages. Questions 17 and 18, reporting physician and nonphysician employee wages, respectively, encountered the same types of combinations and were identified in an analogous manner.

Other situations occurred less frequently. Although the value that was combined was indicated in the file by a ".C" code, the variable into which this value was combined could be identified only through examining verbatim responses. For example, if the value for medical equipment (COS 21) was combined, we would search the verbatim for a comment such as "my equipment cost was included with office rent; I can't separate them out." Our imputation algorithm then allowed us to separate out the portion of expenses attributable to equipment costs. Exhibit 2-2 details our list of combined values.

During our verbatim search we also identified a few cases that had been incorrectly coded as combined. For example, a respondent might have responded that his equipment

costs were zero, and then answered that his supply costs were "same as equipment." If the supply variable was initially coded as combined, for this observation we set the variable to its appropriate value.

### 2.1.3 Uncodeable Verbatim

The cost section of the survey contained relatively few instances of uncodeable verbatim. We reviewed each case marked as "uncodeable" and if appropriate changed the ".U" to a numeric value or other reserved code. If the verbatim could not be dealt with in such a manner, the uncodeable values was retained and later imputed.

### 2.1.4 Out-of-Range Values

Out-of-range values occurred most commonly for extremely large practices. In these cases, the respondent's answer would exceed the range allowed by the CATI/CADE system. For example, the largest allowable value for equipment expenses was \$999,999; a response of \$1,000,000 would be considered out of range. Out-of-range values were retrieved, when possible, by checking the hardcopy cases and referring to the verbatim dump.

## 2.2 Reconciliation Group-Level Versus Individual-Level Responses

To compute per-physician practice costs it is necessary to know whether practice cost data were reported at the group or individual level. Question 69B provides this information.

### 2.2.1 Cleaning Interviewer Question 69B (INT69B)

Physicians in group practices were asked to provide all financial information at the group level. However, if they chose to report at the individual level this information was accepted. Question INT69B was to be coded "1" if the respondent provided information at the group level, "2" if the respondent provided information at the individual level, and "3" if the question was not applicable (physician employees did not respond to the financial section of the questionnaire).

Examination of INT69B revealed three types of problems. First, the value of "3" was not always coded consistently with physician employee status. Some physician owners were incorrectly coded as employees, and some employees were coded as if they had responded to the cost section. Second, the question was coded as missing or don't know for a number of respondents. Since this question is vital for determining measures of costs per physician, we examined cost and practice size information for all cases with a missing value and entered the appropriate code. Third, our analysis of outliers revealed a number of cases in which the physician had supposedly reported at the individual level, but it was apparent that the responses were actually at the practice level. As a result, we examined costs for every physician in a group practice who was coded as reporting at the individual level. If we felt the values represented group costs rather than individual costs, INT69B was recoded accordingly.

### 2.2.2 Mixed Method of Reporting

As discussed above, physicians in group practices were given the option of either reporting costs at the practice or at the individual level. Examination of the raw data, hardcopy cases, and the verbatim file revealed that the datafile contained cases in which some costs were reported at the group level and some were reported at the individual level. As a result we performed an on-line search of the verbatim file looking for key phrases such as "personal," "individual," and "my share." In cases where these phrases were found, the verbatim comments were examined to determine whether the physician was reporting some expenses at the individual level and others at the group level. When such cases were identified, variables were prorated so that all costs were reported at the same level. For instance, if all costs were reported at the individual level except for office rent, the reported rental value would be divided by the number of physicians in the practice to obtain an individual's share of the cost. While this method assumes that all physicians share equally in practice expenses, it is preferable to leaving a combination of group and individual level costs for an observation.



## 2.3 Assessment of Outlier Values

Outliers were identified based on statistical output (PROC UNIVARIATE) on all cost and income variables. Univariate on costs per physician helped identify problems with the question INT69B, and with mixed levels of reporting as discussed above. Outliers were assessed in relation to other values to determine this consistency in relation to other values reported by the respondent.

1. **Comparing the value to other costs for the practice.** For example, if a practice had exceptionally high supply expenses did it also have high equipment expenses that might explain why the supplies were needed?

2. **Comparing the value to other practices with the same specialty.** For example, a very high malpractice premium for an obstetrics/gynecology practice would be more believable than if the same cost were reported for a psychiatric practice.

2. **Comparing the reported total costs to the reported gross revenues.** In many cases the reported gross revenues were considered erroneous and were ignored. However, high (outlier) costs and a correspondingly high revenue value could indicate valid responses.

Outliers at both the high and low ends of the distribution were verified against the hardcopy instrument, where available, as well as against the verbatim file. In some instances, outliers were found to be the result of data entry error (for example, a zero was omitted from the value) or miscoding (a combined value was inadvertently coded as zero). In other cases, the verbatim file explicitly explained an outlier value. For example, several physicians who reported having nonphysician employees but paid them no wages stated that the employee was a family member working in the practice.

### 2.3.1 Reconciliation of Group Wages and Individual Net Income

The 1988 PPCIS contained two sets of questions about physician earnings: COS16, COS16A, and COS16B asked about earnings for all physicians in the practice, and NET29 asked for net income of the respondent physician. Responses for physicians in solo practice could be verified by comparing the reported value for the COS16 questions with the reported value for net income.

Using this technique we were able to fill in numerous cases that were missing one value or the other. Some physicians responded "don't know" for the wages and salaries question but reported a net income. Thirty-two solo physicians reported zero wages and salaries but reported positive net incomes. Reviewing the verbatim comments, it became clear that these respondents were confused by the wording of the question; because they were not in salaried positions they had reported zero salary. In these cases we replaced the erroneous value with the more appropriate one.

### 2.3.2 Reconciliation of Individual and Group Malpractice Expenses

The 1988 PPCIS also contained two questions about malpractice premium expenses: COS23 asked about malpractice expenses for all members of the group and MAL31 asked about malpractice expenses for the individual respondent. Once again, a valid response for one variable could be used to replace a missing values for the other if the physician was in solo practice. MAL31 was also used as a check for physicians in group practices who claimed to be reporting all expenses at the individual data.

## 2.4 Reconciliation of Practice Revenues and Practice Expenses

In addition to cost information, physicians were asked to provide information on their gross practice revenues. Respondents who could not provide an exact value were given the opportunity to provide a range. BOXD indicated whether the respondent had provided gross practice revenue (as asked) or had provided some other value (personal gross, practice net, net, or other). This set of questions had one of the highest nonresponse rates in the survey (over 20 percent).

In theory, practice gross revenue should reconcile with the sum of the practice costs. Our examination of the ratio, gross to costs, revealed that for a substantial number of cases the two values were quite different.

Physicians apparently had great difficulty understanding the concept of practice revenues. A sizable number of cases reported revenue values equal to physician earnings (COS16) or to net incomes (NET29). Other values were unbelievably low; a fraction of the



reported costs for the practice.

Our initial plan was to examine outliers for gross revenue as we had examined outliers for the cost components, correct data entry problems, and set "bad" values to missing for imputation. However, upon analysis of the data it became apparent that the number of values we would set to missing would be quite significant, given the implausibility of much of the reported data.

As a result of problems with the revenue section of the questionnaire, these variables were removed from the public use tape. Instead, we constructed two variables for total practice costs: one including physician wages (TOTCOST) and one including overhead expenses only (OVHDCOST) (Refer to Section 2.5 for additional details on these two variables). This is similar to the methodology used by the American Medical Association in their analysis of the Socioeconomic Monitoring System (SMS). No revenue information is gathered; instead, the sum of the practice costs (including net income) is calculated as a proxy for gross revenues.

Part II, Chapter 1 discusses the relationship between practice costs and revenues in greater detail.

## 2.5 Creation of Supplemental Variables

In addition to physician responses to the survey questions, the public use file contains an extensive series of supplemental variables. These are detailed in Exhibit 2-3. The first three supplemental variables provide information on the physician's specialty. SPECIAL indicates the physician's self-reported specialty using 80 AMA specialties, SELFSPEC recodes this information into 16 broader categories, and SPEC4 classifies specialty into four analytic categories. Four variables identify the geographic location in which the physician practices, while six variables from the AMA Physician Masterfile provide demographic information about the physician.

Information about the administration of the survey is provided by the next four variables. PROXY equals one if the cost section of the survey was completed by someone other than the physician, and equals zero if the physician provided this information. INTSTART and INTDATE indicate the beginning and completion dates for the interview. MODE indicates whether the survey was performed using CATI (computer-assisted) or hardcopy instrument (and then entered via CADE).

The remainder of the supplemental variables are derived from survey questions. They are included on the public use file because we expect that many researchers will be interested in these variables, and their presence on the file will eliminate the need for their creation by each file user.

The two supplemental variables that are likely to create the most confusion are TOTCOST and OVHDCOST. TOTCOST sums the practice cost elements to create a measure of total practice costs including income to all physicians in the practice. TOTCOST is calculated with imputed data, and is present for all but the very few cases in which some cost variables could not be imputed because of other missing data. OVHDCOST represents the physician's overhead costs. Consistent with AMA methodology, overhead costs are defined as including earnings paid to physician employees. Thus, the difference between the two variables is that TOTCOST includes the question 16 series on earnings paid to all physicians while OVHDCOST includes the question 17 series on earnings paid to physician employees in the practice.

## 2.6 Recoding of Skip Patterns and Categorical Variables

The survey instrument was designed to help simplify the interviewers' task and avoid asking unnecessary questions. For instance, a physician who was a sole proprietor would be skipped from the question asking whether the medical practice was a multispecialty group. For analytic purposes, however, it is desirable to have these skips filled with the zeroes, rather than appear as a legitimate skip (coded as '.'). Otherwise, cases could be erroneously and inadvertently excluded from an analysis because SAS recognizes the value as missing data. Therefore, we have recoded legitimate skips with a value of zero for questions PRD11A-D, SIZ12B, SIZ12D, SIZ15A1-H1, COS17, COS17A, COS17B, COS18, COS18A, COS18B, COS19A, COS19B, COS19D and MAL33A.



In the Medicare section, the questionnaire inadvertently omitted a skip pattern related to the presence or absence of patients with supplemental insurance or Medicaid coverage. The questionnaire should have skipped physicians with no Medigap or joint Medicaid eligibles (Q.38G=0 and Q.38H=0) out of the set of questions dealing with billing patterns for patients with supplemental insurance (Q.41A and Q.41B). Likewise, physicians without "uninsured" Medicare patients (sum Q.38G, Q.38H=100) should have been skipped out of the two questions on billing patterns for patients without supplemental insurance (Q.41C and Q.41D). Both of these skip patterns have been imposed ex post.

A second type of recoding was done for categorical questions. In the original coding, many categorical variables were not coded zero-one; some were one-two, while others were zero-two, zero-three, zero-four, etc. To simplify the analysis, these variables were recoded so that a positive response was consistently coded as a one, and a negative response was consistently coded as a zero.

## 2.7 Miscellaneous Recodes

Two specialties, radiation oncology and pediatric radiation, were found to have been incorrectly coded when creating the collapsed specialty variable SELFSPEC. This coding was corrected so that the specialties were designated as radiology in the SELFSPEC variable.

Question 8 asked physicians for the number of weeks they did not practice in 1988. Verbatim comments and hardcopy questionnaires were examined for physicians reporting very high values, to determine whether they had instead reported the number of weeks they did practice. In such cases, Question 8 was recoded as 52 minus the reported value.

## 2.8 Preparation of the Equipment Supplement

### 2.8.1 Mail Questionnaires

As discussed earlier in Chapter 2, ten mail questionnaires contained an abbreviated set of questions which excluded the Equipment and Lab sections of the questionnaire. In the Equipment Supplement, the two screener questions were coded as '.P'. The remainder of the questions for the ten mail questionnaires are coded as valid skips.

### 2.8.2 Combined Responses

Physicians were asked to report the purchase/lease/rental cost for each of the selected types of equipment (EQU47, LAB56) owned/leased/rented by their practice. In addition, they were asked about maintenance costs, including maintenance contracts and supplies (EQU50, LAB59). In a large number of cases, physicians were unable to report separate amounts for each type of equipment. For example, a single lease may cover X-ray and laboratory equipment, or the purchase price for the stress test and ECG monitoring equipment may not be separable. Likewise, the practice may carry a single maintenance contract for all pieces of equipment owned/leased/rented by the group. Or the cost of a maintenance contract may be combined with the purchase/lease/rental cost.

In such instances, interviewers tended to record the total amount in the column for the first type of equipment, and then entered "don't know," "uncodeable," or "out of range" for subsequent responses, or left the item blank (missing). This coding is problematic for two reasons. First, there is no way to identify the amount which includes the values for other items. In other words, there is no flag to indicate that the purchase price for the X-ray equipment includes the price of all other equipment owned by the practice or similarly, that the cost of the maintenance contract is included with the lease amount. A second problem is that the reserve codes entered for subsequent responses are misleading and moreover, inconsistent.

Upon reviewing the verbatim dump and a large number of hardcopy instruments, a decision was made to allow a reserve code indicating that one response was combined with another response. Where the respondent indicated that the purchase/lease/rental cost was unavailable because it was combined with another response, the case was coded as follows:

- the total amount of the purchase/lease/rental cost or maintenance cost was entered for the first type of equipment owned/leased/rented by the practice;

- a reserve code of .C was entered for subsequent types of equipment for which separate cost estimates could not be provided; and
- complete documentation of all combined codes was prepared to assist users in identifying the relationship between reported dollar amounts and combined amounts.

This approach eliminates the problem of inconsistent coding for "combined values." In addition, it preserves to the maximum extent possible, the data reported during the interview. (Much of this data was retrieved from the verbatim remarks in the hardcopy instrument or in the verbatim file.) Finally, it provides users with the option of including or excluding combined values from empirical analysis of equipment costs.

The combined codes reflect several generic patterns:

- (1) maintenance costs included with purchase/lease rental costs (EQU50 included with EQU47; LAB59 included with LAB56);
- (2) purchase/lease/rental costs of one type of equipment included with another (EQU47B included with EQU47A; LAB56B included with LAB56A);
- (3) maintenance costs of one type of equipment included with maintenance costs of another (EQU50B included with EQU50A; LAB59B included with LAB59A); or
- (4) all purchase/lease/rental and maintenance costs included in a single value (EQU47B, EQU50A, and EQU50B included with EQU47A; LAB59A, LAB56B, AND LAB59B included with LAB56A).

Several decision rules were used to decide whether or not to allow a combined code. Combined codes were used only when a numeric value could be reported for one of the items. For example, if the physician (or proxy) reported that he/she could not provide separate estimates for the equipment costs and then did not provide a total amount (representing the combined value for all types of equipment), the response would be coded instead as "don't know." When the physician (or proxy) reported that the cost of the equipment was included in the office space purchase or rental cost, the cost items in the equipment and laboratory supplement were coded as "combined." Additional documentation, prepared as part of this project, indicates that the values are included with Q.19, office space costs.

When physicians reported that the cost of equipment was included in Q.21, medical equipment costs, or that the equipment was purchased with the practice, the cost variable was set equal to "don't know" rather than combined. Our logic was as follows. First, Q.21 reports depreciation rather than purchase price and often includes the cost of non-medical equipment. Thus, the question is not comparable to those asked in the supplement. In retrospect, interviewers should have been instructed to probe for more specific responses, rather than allowing such a response. Second, since the purchase price of the practice is not reported in the survey, this would not be considered a true combined (that is, with other values in the survey).

A list of combined cases from the Equipment Supplement is contained in Exhibit 2-4.

### 2.8.3 Uncodeable Verbatim

The most common use of the "uncodeable" reserve code was when the response was combined with another, especially in relation to purchase/lease/rental or maintenance costs. Based on the verbatim comments, we were able to convert the "uncodeable" reserve code to a "combined" value, using the procedures described above.

Another common use of the "uncodeable verbatim" response was when a physician (or proxy) provided a detailed account that amounted to a "don't know". For example, one physician indicated that maintenance costs were 10 to 15 percent of the purchase price. However, the physician did not know the purchase price, so maintenance costs were set equal to "don't know." Another physician said the equipment was fully depreciated. This, too, was



coded as "don't know," since the question asks for purchase price rather than annual depreciation.

#### 2.8.4 Not Applicable Responses

The "not applicable" reserve code was rarely used. The following three examples illustrate the uses that were observed. First, the CADE/CATI system did not allow physicians to report that they did not perform the procedure in the previous week (Q.51 = 0). In a few cases, such responses were coded as not applicable. (In other instances, such responses were coded as "uncodeable" or "out-of-range.") During the data preparation phase, we inserted the value of zero when the verbatim file or hardcopy instrument indicated that this was the true value.

A second use was for physicians who responded they could not report the average physician and nonphysician time involved in performing a given procedure (Q.52 and Q.53) because they did not perform the procedure in the previous week (Q.51 = 0). NORC interviewers, editors, and CADERS were inconsistent in their coding of such responses, with some entered as "don't know," others as "uncodeable," but a few as "not applicable." As will be discussed in Section 2.8.11, we have created a new reserve code for this type of situation.

Finally, in a couple of cases, the "not applicable" code was used to refer to situations in which the purchase or maintenance cost was actually zero or unknown, such as when the equipment was inherited or when the equipment was "leased" at no charge in exchange for purchasing supplies from the manufacturer. Data changes were made as appropriate to eliminate the reserve code of "not applicable."

#### 2.8.5 Out-of-Range Values

Questions on physician and nonphysician time -- Q.52 and Q.53 -- were a major source of out-of-range values since many of these responses were total hours per week converted into minutes, not the number of minutes per test. Also, for several questions, CADE/CATI would not allow the answer 0 to be recorded, for example, when the equipment was a gift or when no procedures had been performed in the previous week. Such responses were often coded as out-of-range. Out-of-range values were retrieved by checking the hardcopy cases and referring to the verbatim dump.

There were 359 items that were originally coded out-of-range (.X). We were able to retrieve numeric values for all but 72 out-of-range values.

#### 2.8.6 Review of Verbatim Remarks

Verbatim remarks indicated potential problems with interviewer or respondent understanding of the questions and enabled us to revise incorrect entries. For example, confusion arose in Q. 62BA and 62BB, when respondents indicated that multichannel tests could be performed both discretely and in combinations. In such cases, we coded the response "discretely" since it was not true that tests could be performed only in designated combinations. Concerning the number of tests performed per week, Q.51, several respondents reported "1 a month" or "2 a month." These were coded "1" since there was no way of knowing when they were performed, and because it was not a true response of 0. One problem that could not be resolved based on the verbatim remarks was when physicians (especially those in large practices), reported their own number of procedures rather than the number for the entire practice.

Review of the verbatim remarks for the cost variables enabled us to correct several types of interviewer, editor, or CADER error. First, when a physician or proxy reported a range, interviewers were instructed to enter the midpoint of the range. Often the low or high value was entered instead. Verbatim comments, either on the hardcopy instrument or in the verbatim file, signifying that a range had been reported were compared against the value in the database to ensure that the correct value was entered. For example, if a physician indicated that the cost of a piece of equipment was between \$4000 and \$6000, a value of \$5000 should be entered.

Second, verbatim comments occasionally indicated that a monthly lease cost had been reported (e.g., \$500 per month). These were converted to annual figures (i.e., \$6000 per year). Third, some physicians lease equipment by the test rather than pay a flat monthly rental or lease charge. This was most common with ECG monitoring, lab, and X-ray equipment. Physicians would report that they pay \$18, \$50, or \$75 per test rather than per year. This type



of problem accounted for many of the low-end outliers. Such values were changed to "don't know," since there was no reliable way to impute an annual charge for the equipment.

### 2.8.7 Assessment of Outlier Values

Outliers, both at the high and low ends of the distribution, were verified against the hardcopy instrument, where available, as well as against the verbatim file. Outliers were identified based on statistical output (PROC UNIVARIATE) on all continuous variables, as well as frequency distributions for categorical variables. The "per-test" costs were often identified as a result of outlier checks, as were inappropriate values of 1 that had been entered in place of a 0. In addition, we found that, in several cases, CADERS mistakenly entered a value of 2 in Q.47, which reflects the value that should have been entered in Q.48. Similarly, the value for Q.57 was occasionally entered in Q.56.

### 2.8.8 Recoding of Aggregate Time Data

As already mentioned, our review of out-of-range values and verbatim remarks identified a major problem with the questions on physician and/or nonphysician time required to perform an individual procedure (Q.52 and Q.53). Instead of reporting time per procedure some physicians or their proxies reported total time per week. In retrospect, this is attributable to ambiguities in the wording of the questions, particularly related to nonphysician time. Physicians were first asked how many procedures they performed in their most recent week of practice (Q.51). Then they were asked:

*Q.52: Approximately how much physician time is involved in administering, developing, interpreting and reporting the procedure?*

*Q.53: In total, how much nonphysician time is spent administering or assisting in the procedure?*

The confusion is likely to arise because the questions on procedure time follow a question on number of procedures per week, giving the respondent a reference period of the most recent week of practice. In addition, neither question states that the times should be reported per procedure. To make matters worse, the question for nonphysician time asks for the time in total. Indeed, there was slightly more confusion on the nonphysician time than on the physician time.

Our procedures for identifying outliers were as follows. First, we examined the means, medians, 75th and 95th percentiles, and maximum values. Based on the distributions, we determined that there were problems with all but the last four types of equipment. We decided to manually review all values above the 75th percentile for each individual type of equipment. Next, new values were calculated by dividing the reported time (number of minutes) by the number of procedures:

$$\begin{aligned} \text{MIN52} &= \text{EQU52} / \text{EQU51} \\ \text{MIN53} &= \text{EQU53} / \text{EQU51}. \end{aligned}$$

These new variables, MIN52 and MIN53, helped us to determine whether the reported time value was actually a total and not a per test figure. If the numbers for these new variables were unreasonably small, the response was assumed to be a per test time. If the derived values appeared reasonable, we replaced the original value with the derived value based on MIN52 or MIN53. We based our assessment on information gathered in other studies (the PPRC Survey of Physicians, the 1986 Physicians' Practice Follow-up Survey, and the Harvard RBRVS Study) as well as the recommendations of two medical doctors.

The values for Q.52 and Q.53 were examined jointly. For the most part, if the value in Q.52 was changed, so was the value in Q.53. However, due to the unique wording of Q.53 ("in total"), changes were occasionally made to Q.53 alone. Also, there were some cases in which the marginal notes on the hardcopy instruments or verbatim remarks in the verbatim dump led us to believe that the respondent was inconsistent or that there had been some data entry error. In such cases, comments like "total for all tests," or "120 minutes total, 12 minutes each," "25 hours per week," etc. were instrumental in determining the appropriate substitutions.

When hardcopy checks were done, responses to other "time" questions were taken into consideration. If a physician's responses were consistently high, all figures were changed throughout. However, if most of the doctor's responses seemed reasonable and one or two seemed unusually high, the outliers were not usually changed unless there was specific verbatim to justify such a change.

### 2.8.9 Coding of Open-ended Items

Three questions in the laboratory section required coding of open-ended responses (Q.65B, 66C, and 67D). Based on a review of the specified "other" responses, it was apparent that coding schemes could be developed to provide additional detail on the miscellaneous responses.

**Other external proficiency testing programs.** The laboratory section (Q.65) asks whether the lab participates in the program sponsored by the College of American Pathologists or some other program (specify). Additional categories, based on open-ended responses (and the number of cases recoded into the new categories) are as follows:

- (1) State, County Programs (38),
- (2) Specialty Society Programs (45), and
- (3) Manufacturers' Programs (24).

A total of 22 responses remained in the non-specific "other" category.

**Other certification agencies.** The next question (Q.66) is concerned with whether the laboratory is certified by Medicare Title 18, by a state agency, or by any other agency or program (specify). The new categories (and their frequencies) were:

- (1) College of American Pathology (CAP) (11), and
- (2) Commission on Office Lab Assessment (COLA) (3).

Eighteen were uncodeable based on the verbatim response.

**Other personnel performing laboratory tests.** The next question (Q.67) asked who usually performs laboratory tests -- a technician, nurse, physician, or someone else (specify). The other types of personnel include:

- (1) Medical Aide, Assistant (43), and
- (2) Secretary, Office Manager (7).

Only seven responses remained in the Other category (including "wife"). Exhibit 2-5 summarizes the list of categories, their frequencies, and examples.

### 2.8.10 Miscellaneous Recodes

We identified one hardcopy (CADE) case in which the physician reported that the AMA specialty was incorrect. The physician was coded as internal medicine, although Q.2A indicated that the specialty should be cardiology. The self-reported specialty had not been corrected during the CADEing process. This resulted in an incorrect skip pattern through the Equipment Supplement. The physician was skipped out of the three categories of diagnostic equipment that should have been coded for cardiologists. Fortunately, this was a CADE case and the responses to the Equipment Supplement were retrievable. The self-reported specialty was corrected as well. This raises the number of cardiologists from 142 to 143.

During our review of the time data (Q. 52 and 53), we noted that many physicians who possessed the equipment, but did not perform the procedure, were unable to report the amount of time spent conducting the test. Such responses were variously coded as "not applicable," "uncodeable verbatim," "don't know," and even 0 or 1 minute. To introduce consistency into the coding of such responses, we decided to create a new reserve code that would be used only for the two time questions. Known as .Z, the code is used when Q.51 = 0 (i.e., did not perform the test) and both Q.52 and Q.53 were reported as zero or a reserve code. This reserve code adjusts for the lack of a skip pattern when physicians do not perform the procedure even though they own the equipment. For example, the equipment may have been inherited with the practice, or it may be too old to use.







## CHAPTER 2

### *EXHIBITS*

- **Exhibit 2-1 Description of Reserve Codes used in the 1988 PPCIS**
- **Exhibit 2-2 Listing of Combined Variables for the Practice Cost Section**
- **Exhibit 2-3 Supplemental Variables**
- **Exhibit 2-4 Listing of Combined Variables from the Equipment Supplement**
- **Exhibit 2-5 Results of Open-Ended Coding in the Laboratory Section**

## EXHIBIT 2-1

## DESCRIPTION OF RESERVE CODES USED IN THE 1988 PPCIS

<u>Symbol</u>	<u>Definition of Reserve Code</u>
.C	<i>Combined with another response</i>
.D	<i>Don't Know</i>
.M	<i>Missing</i> (Interviewer error)
.N	<i>Not Applicable</i> (respondent indicated that question was not applicable)
.P	<i>Mail Questionnaire</i> (A question not asked on abbreviated mail questionnaire)
.R	<i>Refusal</i>
.U	<i>Uncodeable Verbatim</i> (nonnumeric response that could not be coded)
.X	<i>Out of Range</i> (out-of-range on CATI/CADE system; value not retrievable from hardcopy or comment file)

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**EXHIBIT 2-2****LISTING OF COMBINED VARIABLES FOR THE PRACTICE COST SECTION**

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<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
0012	18A	16A
0013	21	22
0027	18A	16A
0027	18B	16B
0041	24	21
0056	18,18A,18B,19D,21,22,23,25	26
0066	21,22,24,25	26
0077	21	19A
0078	18B	16B
0087	18B	16B
0109	26,22,21,18,18A,18B	19A
0110	18,18A,18B	16
0136	16B	18B
0156	18B	16B
0156	21,22	26
0213	21	19A
0251	24	16B
0296	18B	16B
0311	18B	16B
0314	18B	16B
0319	21	19B
0320	26,18,18A,18B	19A
0326	22,21	19A
0346	21	22
0360	24	16B
0453	18,19B,21,22,24,25	26
0456	21	22
0462	22	18
0500	19A,19D,21,22,23,24,25	26
0506	18	17
0506	18A	17A
0506	18B	17B
0573	18B	16B
0574	18B	16B
0574	22	26
0583	18B	16B
0596	18A	16A
0598	18,18A,18B	26
0600	21	19B
0684	18A	16A
0684	18B	16B
0696	18A	16A
0711	18	17
0711	18B	17B
0713	21	22
0717	21	22
0726	18A	16A
0742	21	19B
0790	24	16B
0799	18,18A,18B	26
0876	26	19A
0911	17B	18B



<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
0955	18A	16A
1008	24	16B
1011	21	24
1063	18A	16A
1083	24	16B
1108	19A,19D,21,22,23,24,25,18,18A,18B	26
1115	18A	16A
1115	18B	16B
1144	26	21
1156	21	19B
1166	26,22	19A
1168	26,22	21
1190	18B	16B
1214	22	26
1220	22	19A
1232	21,19D	19A
1247	18B	16B
1278	26	22
1319	25	26
1343	25	26
1362	26	21
1404	18A	16A
1433	24	16B
1442	16,16A,16B,18,18A,18B,19A,19D,21,22,24,25	26
1447	18	16
1447	18A	16A
1447	18B	16B
1470	18	16
1470	18A	16A
1470	18B	16B
1479	21	22
1493	19B	19A
1518	18A,21	19A
1524	18	16
1524	18A	16A
1524	18B	16B
1530	18,18A,18B,19B,22,23,24,25	26
1535	24	16B
1535	22	21
1547	24	21
1555	22	21
1630	19D	19B
1694	21	19A
1700	19D	19A
1709	22	21
1726	21	26
1736	16B	18B
1760	21	19A
1787	25	26
1795	21	16A
1804	16,16A,16B,18,18A,18B	26
1812	24	22
1823	19A	18
1826	19D	19A
1834	18B	16B
1835	19D	19A
1856	25	16
1890	19B	19A
1896	21	19A

<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
1909	26	
1927	21,22,24,25	22
1942	16,16A,16B,18,18A,18B,21,22,24,25	26
1951	18,18A,18B	26
1973	18B	26
1989	22,24	16B
2025	18	26
2025	18A	16
2037	22	16A
2050	22,24,25	21
2074	21	26
2086	17A	19B
2086	17B	18A
2156	18	18B
2195	21	16
2229	19D,26	19B
2233	21,22	16
2240	18B	26
2266	24	16B
2287	19D,21,22,24	16A
2347	24	26
2350	24	16B
2397	21	21
2432	18A	19A
2432	18B	16A
2456	21	16B
2505	18B	19B
2515	21	16B
2572	21,25	19B
2630	16B	26
2632	18B	18B
2639	18B	16B
2641	26	16B
2653	18,18A,18B	19A
2676	24	26
2688	16A,18,18A,18B	25
2715	18A	16
2738	26	16A
2752	25	22
2758	18B	26
2774	21	23
2789	18,18A,18B	19B
2797	21	19A
2813	18A	19B
2813	18B	16A
2838	22	16B
2841	21	21
2847	17	19B
2847	17A	18
2847	17B	18A
2860	21	18B
2882	18B	19A
2886	21	16B
2887	18B	19A
2915	18	16B
2915	18A	16
2915	18B	16A
2937	19D	16B
2949	17	19A
		18

<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
2949	17A	18A
2949	17B	18B
2981	19A,19B	18
3026	16B	18A
3042	23	16
3042	24,25,26	22
3080	21	19A
3128	18A	16A
3150	18B	16B
3154	23	19A
3174	24	16B
3176	25	16B
3187	22	26
3189	21	26
3244	18	16
3244	18A	16A
3244	18B	16B
3250	18A	16A
3250	18B	16B
3335	19B,22,24,25	26
3367	18A	16A
3367	18B	16B
3391	19D,21,24,25	26
3397	22	19A
3400	18A	16A
3405	18B	16B
3436	25	24



EXHIBIT 2-3  
SUPPLEMENTAL VARIABLES

<u>Variable Name</u>	<u>Definition</u>	<u>Source</u>
SPECIAL	Physician's uncollapsed self-reported specialty.	AMA Physician Masterfile, updated by SCR1A
SELFSPEC	Physician's specialty recoded into 16 categories.	SPECIAL
SPEC4	Physician's specialty recoded into four analytic categories. (General Practice, Medical Specialties, Surgical Specialties, and Other Specialties).	SELFSPEC
DIVISION	Updated census division.	Zip Code
REGION	Physician's division recoded into four census regions. (Northeast, Midwest, South, and West).	DIVISION
SMSASIZ	Three levels of urbanicity. (Non SMSA, Small SMSA, and Large SMSA).	Zip Code
SMSA	Urban/rural differentiation.	SMSASIZ
AGE	Age of the physician in 1988. (1988 - Birth year)	AMA Physician Masterfile
AGE_R	Age of the physician recoded into 6 age categories.	AMA Physician Masterfile
SEX	Gender of the physician.	AMA Physician Masterfile
FMG	Differentiation between foreign and domestic graduate.	AMA Physician Masterfile
BOARD1	Board certification of physician.	AMA Physician Masterfile
BOARD2	Second board certification.	AMA Physician Masterfile
PROXY	Indicates whether the cost section was completed by someone other than the physician.	AMA Physician Masterfile = 1 if INT69=2,3,4,5,6,or 8
INTSTART	The date the interview began.	INT70A
INTDATE	The date the interview was completed.	INT70B

<u>Variable Name</u>	<u>Definition</u>	<u>Source</u>
MODE	Denotes whether CATI or CADE was the data capture method.	
TOTCOST	Sum of practice costs.	SUM(IMP16, 16A, 16B, 18, 18A, 18B, 19A, 19B, 19D, 21-26)
OVHDCOST	Total overhead costs.	SUM(IMP17, 17A, 17B, 18, 18A, 18B, 19A, 19B, 19D, 21-26)
MEDICARE	Physician has any Medicare patients.	= 1, if IMP38B>0; = 0, if IMP38B=0
MEDICAID	Physician has any Medicaid patients.	= 1, if IMP38C>0; = 0, if IMP38C=0
MEDHRS	Physician hours spent on medical activities.	IMP9A-IMP9B
SOLO	Physician is a solo practitioner.	SIZ12A+SIZ12C = 1
NET	INC29 coded as a continuous variable.	INC29A, INC29B, and INC29C
INC29R	INC29 coded as a categorical variable.	INC29A, INC29B, AND INC29C
MAL35R	MAL35 was coded as a continuous variable.	MAL35B and Q35VERB
MAL36R	MAL36 was coded as a continuous variable.	MAL36B and Q36VERB
MULTSPEC	Physician belongs to a multispecialty group.	SCR7D and SIZ13
EQPMT	Physicians who own/lease/rent equipment.	If EQU44A, B, C, D, E, F, G, H, I, J, K, L, M, or N = 1.
EQINVMT	Physicians who have outside investments in equipment.	If EQU44AAA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, or AN = 1.
LAB	Physicians who own/lease/rent laboratory equipment.	If LAB54A, B, C, or D = 1.
LABINVMT	Physicians who have outside investments in laboratory equipment.	If LAB54AAA, AB, AC, or AD = 1.

## EXHIBIT 2-4

## LISTING OF COMBINED VARIABLES FROM THE EQUIPMENT SUPPLEMENT

<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
0019	47A	19
0021	56A,56C,56D	47B
0033	47A	19
0036	56A,56B,56C	47A
0036	59A,59B,59C	50A
0037	47G,47H	47B
0042	47B,47E,47G,47H,50A,50B,50E, 50G,50H,56A,56B,56C,59A,59B,59C	47A
0046	47J	47I
0046	50J	50I
0051	47A,47G	19
0053	50B,50C,50D,50E,50F,50G,50H,59A,59B,59C	50A
0108	59A	56A
0168	47A,56C	19
0185	50C	47C
0191	56B	56A
0191	59B	59A
0249	47C	47A
0249	50C	50A
0267	50A	47A
0267	50B	47B
0267	50G	47G
0267	59A	56A
0267	59B	56B
0267	59C	56C
0278	56A,56B	47B
0284	56B,56C	56A
0301	56B	56A
0315	47E,47F	47D
0321	50J	50B
0332	56B	56A
0340	56B,56C	56A
0365	47A,47B,47E,47F,50A,50B,50E,50F,56A,56B,56C,59A,59B,59C	19
0366	56B,56C,56D	56A
0366	59B,59C,59D	59A
0422	59B,59C,59D	59A
0435	47C,56B,56C	47B
0451	50C	47C
0543	50B	47B
0556	47H	47G
0582	50D,50E,50F,50G,50H	50B
0611	47J	47B
0615	50C,50I,50K,56A,56B	50B
0623	47E	47D
0699	50C	47C
0733	50A	47A
0733	50B	47B
0800	47C	47A
0804	50C,50L,50M	50A
0865	47F	47E
0865	50F	50E
0873	56C	19

<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
0883	56B	56A
0900	47F	47E
0900	50F	50E
0903	47E	47D
0942	50A	47A
0952	50C	47C
0960	50C	47C
0970	47C	47A
0983	59A	56A
0983	59B	56B
1063	56B,56C	56A
1063	59B,59C	59A
1092	56B	56A
1092	59B	59A
1108	50B,59A,59B	50A
1115	47H	47B
1162	59A	56A
1162	59B	56B
1194	50A	47A
1198	50A	47A
1250	56B	56A
1315	50C	50A
1380	50A,47B,50B,47D,50D,47E,50E,47G,50G,47H,50H	47A
1380	56B,56C	56A
1380	59B,59C	59A
1382	47B,50B	19
1406	50C,50I,50J	50B
1416	47E,47F	47D
1423	50B,50C,50D,50E	50A
1492	56B	56A
1504	50C	50A
1504	56B,56C,56D	56A
1504	59B,59C,59D	59A
1598	50A	47A
1607	47C	47A
1623	47B,56A,56B,56C	47A
1623	50B,59A,59B,59C	50A
1655	47B	47A
1655	50B	50A
1683	47H	47G
1691	50J	50I
1692	50C	50B
1761	56B,56C,56D	56A
1761	59B,59C,59D	59A
1898	47B,47D,47E,47F,47G,56A,56B	47A
1924	50B	47B
1938	50H	47H
1939	47C	47A
1939	50C	50A
1941	47B,47C,47E,47G,47H	47A
1944	56B	56A
1944	59B	59A
1945	50H	47H
1948	56B,56C	56A
1948	59B,59C	59A
1952	47H	47G
1952	50H	50G
1952	56B	56A
1952	59B	59A



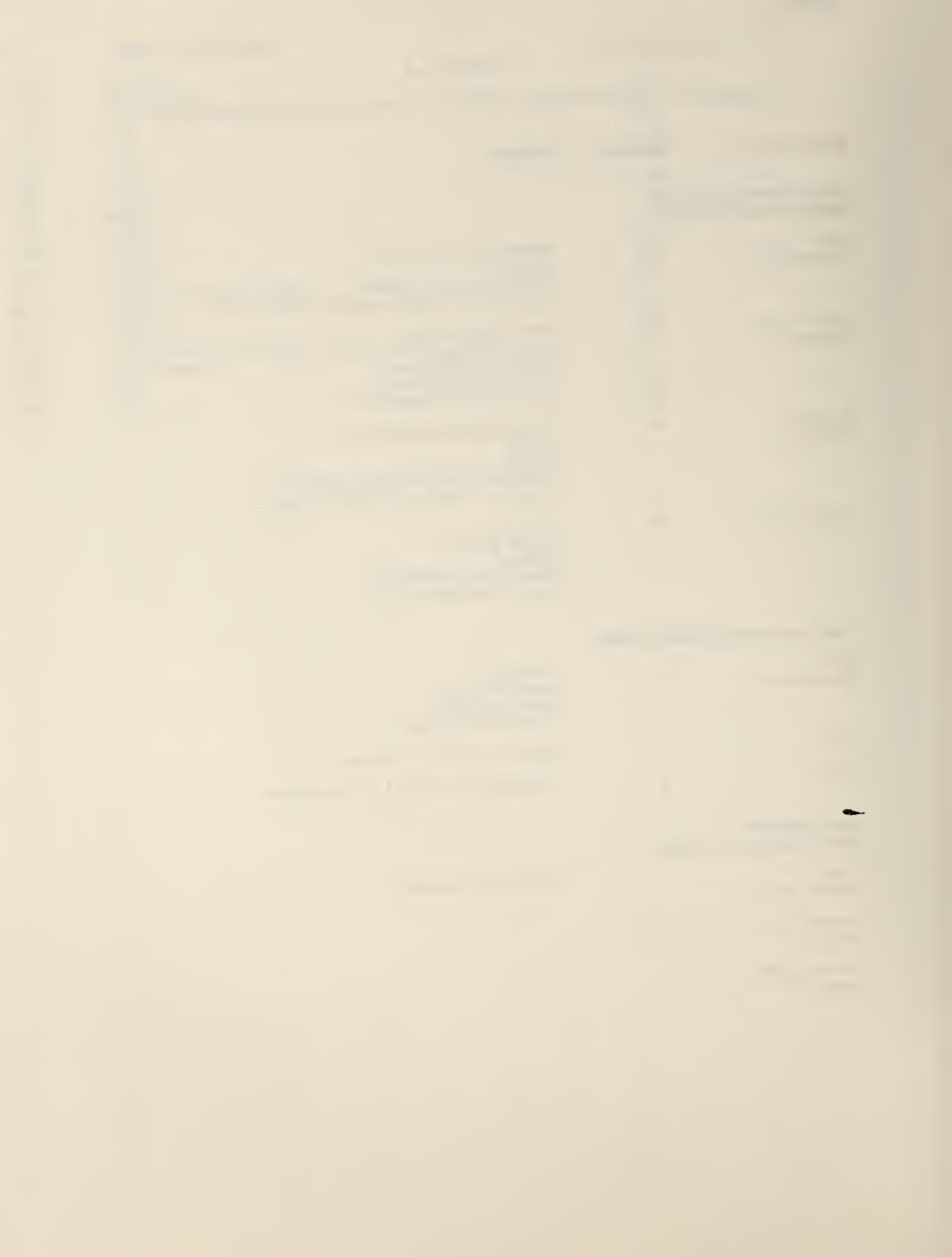
<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
1954	56B,56C	56A
1954	59B,59C	59A
1959	47E,47F	47D
1959	50B,50C,50D,50E,50F,50G,50H,59A,59B,59C	50A
1963	47B,47C,47D,47E,47F,47G,47H,56A,56B,56C	47A
1963	50B,50C,50D,50E,50F,50G,50H,59A,59B,59C	50A
1976	47I	47B
1976	50I	50B
2057	47C	47A
2057	56B,59A,59B	56A
2057	59D	56D
2072	56B	56A
2084	56B	56A
2156	50C	50A
2209	56A,56B	19
2224	59A,59B	56A
2234	47B,47C,47D,47E,47F,47G,47H	47A
2242	50E	47E
2246	50I,50J	50B
2254	47B,47C	47A
2256	50E,50F	50D
2258	56A	56B
2329	59B,59C	59A
2335	56A,56C	47A
2335	59A,59C	50A
2418	50C	47C
2440	47A,50A	19
2450	50C	47C
2450	50H	47H
2451	50B	47B
2455	56B	56A
2458	50B	47B
2473	47E	47D
2485	47H	47G
2487	47G,47H,50B,50G,50H	47B
2493	50B,50E	50A
2502	47I,47J	47B
2502	50I,50J	50B
2560	47B,47E,56B,56C	47A
2564	47A,50A	19
2588	50C	47C
2631	56B,56C	56A
2631	59B,59C	59A
2727	56C	56B
2738	56B	56A
2761	47B,47C,47I,47J,47K,56A,56B	47A
2821	47F	47E
2821	50F	50E
2866	50C	47C
2886	50B,50C,59A,59B,59C	50A
2898	50C	47C
2988	50H	47H
3001	50B,50C,50E,50G	50A
3046	56B	56A
3053	47B,47C,47I,47J,47K,56A,56B,56C	47A
3053	50B,50C,50I,50J,50K,59A,59B,59C	50A
3055	50C,50I,50J	50B
3064	59B,59C	59A
3079	56B,56C	56A

<u>ID</u>	<u>COMBINED VARIABLES</u>	<u>COMBINED INTO</u>
3149	56B,56C	56A
3237	50B,59A,59B	50A
3237	56B	56A
3271	56A	47B
3273	47G	47H
3273	50G	50B
3300	47I,47J	47B
3300	50I,50J	50B
3300	56B,56C	56A
3300	59B,59C	59A
3313	50E,50F	50D
3317	50A,47B,50B,47D,50D,47E,50E	47A
3317	56B,56C	56A
3317	59B,59C	47A
3328	50A,47B,50B,47C,50C,56A,56B,56C,59A,59B,59C	47A
3363	47B,56A,56B,56C	47A
3404	50C	47C
3498	50C,50L,50N	50A

## EXHIBIT 2-5

## RESULTS OF OPEN-ENDED CODING IN THE LABORATORY SECTION

<u>New Category</u>	<u>Frequency</u>	<u>Examples</u>
<b><u>Other external proficiency testing programs (LAB65)</u></b>		
Other (Uncodeable)	22	"Medical Lab Evaluation" "By law" "Quality Control Program" "Send tests to a national health lab for quality control"
State, County Programs	38	"Mayo Regional Lab" "Local Pathology" "State Proficiency Tests" "Wisconsin State Survey" "WI Physician's Laboratory"
Specialty Societies	45	"Group Practice Association" "ASIM" "AAFP" "American College of Internal Medicine" "American Society of Clinical Pathology"
Manufacturers	24	"Abbott" "Kodak Visions" "Dupont" "Carolina Surgical Supply" "Smith Kline Laboratories"
<b><u>Other certification agencies (LAB66)</u></b>		
Other (Uncodeable)	18	"Lab itself" "Local pathology" "Joint commission" "Through the hospital"
CAP	11	"College of American Pathology"
COLA	3	"Commission on Office Lab Assessment"
<b><u>Other personnel performing lab tests (LAB67)</u></b>		
Other (Includes Wife)	7	"Various staff members"
Medical Aide, Assistant	43	
Secretary, Office Manager	7	





## CHAPTER 3

# *IMPUTATION OF MISSING DATA*





squared hours term reflects declining visits per hour with more hours in a site. The models explained between 11.2 (surgery) and 67 percent (clinic) of the variation in the number of visits. All cases where the corresponding hours in a site equalled zero were excluded from the imputation, and the visits set equal to zero.

Question 11C1 asked how many of total operations were performed on an outpatient basis. The 16 specialties were interacted with Q11C, total operations, and the resulting coefficients can be interpreted as outpatient surgery proportions within specialty. The model explained 76 percent of the variation and predicted a high of 13.4 outpatient operations in the last full week. In the nine cases where imputed outpatient operations exceeding total operations, the two were set equal.

### 3.4 Imputation Method: Practice Size

Very few missing values exist for practice size. It is also a difficult variable to replace because of the lack of useful prior information (in the survey). Although gross revenues or total costs could be used as a predictor, the error is substantial. Given how crucial the number of physicians is to interpreting costs, revenues, and other variables, we decided not to replace Q.12A-D. However, we performed two global recodes on the data. Where Q12A=1, Q12B was set equal to zero (rather than a legitimate skip). Likewise, where Q.12C=0, we set Q12D=0.

Question 14 on nonphysicians is easier to replace in that physicians in the practice can be used. Specialty was interacted with the number of physicians in linear and squared form, producing high explanatory power (78 percent). The resulting coefficients can be interpreted as the ratios of nonphysician employees per physician within specialty.

### 3.5 Imputation Method: Practice Costs

Several problems recurred throughout imputation of the cost section of the questionnaire. Almost all variables included at least one case (and in some instances several hundred cases) for which some other cost value was combined into the value reported. For instance, in question 16 on gross physician wages, approximately 500 cases combined deferred income with gross wages and another 400 combined fringes with wages. For physician salaries, BOX2=1 could be used to identify those cases in which deferred income was combined with gross wages and BOX3=1 identified cases which combined fringe benefits with gross wages. Questions 17 and 18, reporting physician and nonphysician employee wages, respectively, encountered the same types of combinations and were identified in an analogous manner.

Other combinations occurred less frequently and were identified through verbatim responses. For example, question 26, miscellaneous expenses, contained 31 cases with expenses combined with other categories; question 19A, office rent, contained 25 combined cases.

The problem of combined reporting was corrected in a similar manner throughout the cost section. First, other costs combined in a given response were identified through the questionnaire boxes and the verbatim responses. Next, missing values elsewhere in the cost section of the questionnaire were imputed. Then, these imputed values were subtracted from the variable into which they had originally been combined. If the subtraction created a negative value, the values were prorated so that they summed to the respondent's initial combined value. The proration was based on the relative size of the reported and the imputed values. None of the imputation specifications in Table 3-1 detail these steps, but they are implicit in almost every item.

A second problem encountered occasionally was the imputation of negative costs. Although a regression might have a reasonably high R-squared and provide acceptable estimates for most observations, a few cases would have imputed values less than zero. This problem occurred more frequently for variables such as medical equipment and automobile which included a high percentage of zeroes in the sample, and for small practices with few employees. To correct for this problem, nonlinear terms were introduced to the model through the insertion of a dummy variable for solo practitioners or through continuous squared terms. If no specification could be found that yielded strictly positive values, the negative values were set to zero. For instance, 13 values (6% of those imputed) for question 22, medical supplies, were set to zero. For variables such as physician salaries which logically must be greater than zero, specifications were always found that predicted positive values.



Practice costs begin with question 16 on gross physician wages. Two hundred seventy cases went unreported while another three were combined elsewhere (generally in miscellaneous). Many of the missing salaries for solo physicians were replaced directly using reported net income. Imputation for the remainder was done separately for doctors reporting for group practices and for doctors reporting as individuals. The imputation regression for groups is based on the interaction of eight collapsed specialties and the total number of physicians in the practice, along with question 7D denoting a multispecialty practice, and 18 rural-MSA-region interactions. The imputation for doctors reporting as individuals also included demographic variables such as age, sex and board certification as well as information on physician productivity gathered from question 11. This imputation is identical to the one used to replace net incomes. The solo model explained 26 percent of the variation versus 87 percent for group practices. The group regression  $R^2$  is much higher due to the strong correlation of total physician wages and practice size. The imputed values for all physician salaries show a large range of \$51,116 to \$29,198,117. This is still less than the range for the entire survey.

When deferred income or fringe benefits were not reported separately, the imputation specification shown in Table 3-1 was used. Each item is assumed to be a function of gross wages (Q16) interacted with specialty and BOX9A4 (= 4 if fringes combined in deferred; otherwise = 0). Whether the practice includes other specialists was also used. The resulting specialty-gross wage coefficients can be interpreted as average deferred income or fringes per dollar of reported salaries. Cases with BOX9A4=4 had deferred income combined with fringe benefits. The value apportioned to each variable was determined based on sample means of the ratio between the two.

Question 18, including nonphysician employees, was imputed using a similar imputation method as for question 16. The 176 replacements ranged from \$5,936 to \$939,127, with an R-squared of 0.56.

Physician employee wages, question 17, is a fraction of all physician wages (question 16) paid to physician employees. This variable was imputed using total practice physician wages and the proportion of physicians who were employees, interacted with specialty. Questions 17A and 17B, physician employee deferred compensation and fringe benefits, were similarly imputed as functions of 16A and 16B. (The reader is referred to Table 3-3 for the remaining  $R^2$ 's.)

Office rent and depreciation costs, questions 19A and 19B, had 2 and 21% missing, respectively. Imputation variables include the number of physicians and nonphysicians in linear and squared form, specialty, and several area characteristics including per capita income and percent of the county population in poverty. Also included is an interaction of the number of total employees with question 19C determining whether utilities were included in rent or depreciation costs. The models explained 27 to 51 percent of the variation in rent or depreciation. Imputed values ranged from zero to \$576,536 in depreciation.

Question 19D, utilities, if missing and not simply combined with office costs, was imputed using total employees and total office space costs (Q19A+B) as explainers. A squared office space cost term is included to allow for a variable share of utilities in space costs. Three models were estimated depending on whether utilities and telephone were combined or not.

Question 21 on medical equipment costs had 391 missing values (59 were combined elsewhere). The imputation regression is based on the number of physicians (linear and squared), specialty, total nonphysicians, and the number of medical technicians employed (Q15E). Specialty is decomposed differently in this imputation to better reflect subspecialty medical equipment differences.

Question 22, medical supply costs, had 213 original missing or combined values. Thirteen additional outlier cases had to be set equal to missing and imputed as well. This variable should be correlated with Question 21 on medical equipment costs; hence, the use of Q21 (linear and squared). The number of physicians in the practice is also included. Holding equipment costs constant, some specialties such as radiology will require more supplies.

Question 23 asks for malpractice insurance costs for the entire practice. A set of specialty categories based on average malpractice costs were interacted with the number of physicians (in linear and squared form), whether the practice employed any patient care employees, e.g., nurse anesthetists, psychologists, and social workers, and whether the practice was multispecialty or not. A solo-group dummy was added as well. The 90 replacements ranged from \$1,044 to \$1.5 million. Three-fourths ( $R^2=.793$ ) of the variance was explained by the equation.



Question 24 on automobile expenses had 221 original missing or combined values. A specialty-number of physician interaction was used to simultaneously capture the specialty and size effect.

Continuing education costs, question 25, is new to the survey. Only 151 cases were unreported or combined. A similar imputation algorithm is used for both automobile and education, allowing for differences by practice size, specialty, and the number of nonphysician employees.

Finally, a residual miscellaneous cost category (Q.26) has been added to the survey to insure that cost reporting is comprehensive. It includes legal and accounting costs, property taxes, office management services and supplies, etc. The imputation regression uses specialty and size variables. The model predicted 81 percent of the variation in miscellaneous costs and ranged between \$0 and \$3,149,350.

### 3.7 Imputation Method: Net Income

Net income was modelled as a function of a set of summary volume measures (sum of visits, SVIS; proportion of surgery in all visits, SURGR), specialty, multispecialty practice, urban-rural location, age, sex, board-certification, and foreign medical graduate. The NR dummy is used to separate out coefficients for the specialists who reported visits by site from the RAPs who skipped the visit part of the questionnaire. The coefficients of the NR\*SPEC\*SVIS interactions can be interpreted as the per visit contribution to net income holding the share of surgical visits constant. Only 8 percent of respondents did not give their own net incomes (288), which were replaced along with six others giving unacceptable amounts. The model explained 26 percent of the variation in net incomes and generated predictions ranging from \$41,136 to \$577,505.

### 3.8 Imputation Method: Individual Malpractice Costs

Individual malpractice costs (MAL31) were imputed using a specialty designation related to malpractice insurer distinctions. Individual state dummies were also included to reflect state-specific malpractice premiums. Dummy variables indicated whether the respondent performed surgery and/or worked in a practice with patient-care employees. The model explained 53 percent of the variation in individual malpractice costs, ranging from \$247 to \$41,887.

### 3.9 Imputation Method: Patient Insurance Coverage

The last set of imputations concern patient insurance coverage. Between 152 and 576 cases were either missing the revenue share for a particular insurer, e.g., Medicare, or had combined values. Many physicians had trouble separating Blue Shield from other private insurance, requiring a special imputation process. The model for Q.38A,B,C, and F included specialty, age, sex, FMG, and board-certification status, plus 18 locational cells, county per capita income, and the percent of the county in poverty. (Experimenting with Q.38C, Medicaid coverage, demonstrated the value of squared PCINC and POVPOP terms as well.) Models for 38D and E were slightly altered dropping POVPOP, FMG, and SEX as insignificant.

The explanatory power of these independently estimated models ranged from 3.5 percent for "other" insurance (mostly zero) to 37.8 percent for Medicare coverage. Missing values for Q.38A,B,C, and F were replaced directly from the imputation regression, including a few values combined elsewhere in Q.38. Because of the large number of combined responses in Q.38D and E, replacements were done separately for simple versus combined missing. For cases simply missing Q.38D,E, or both, the imputed value was used as usual. Where Q.38D was combined with Q.38E (or vice-versa), the predicted value for 38D was based on the prorated value reported in Q38E. The proration was based on each observation's predicted values for Q.38D and E. For example, suppose a case combined Q.38D in Q.38E, reporting 60 percent. Further assume that based on the predicting equations for Q.38D and E, the predicted values would have been 20 percent and 25 percent. (The sample means were 17 percent and 27 percent.) Then for this case reporting a total for 60 percent private coverage, the case-specific predicted values would be:  $Q.38D=(20/45)*60\%=26.5\%$ , and  $Q.38E=(25/45)*60\%=33.3\%$ . This method preserves as much of the reported data and case-specific characteristics as possible.

Once all of the insurance imputations were completed in a first round, a set of adjustments were made to insure that all six values summed to 100 percent. As a general rule, adjustments were made to imputed, rather than originally reported, values to meet the 100 percent criterion. A few non-imputed cases were also adjusted to 100 percent as well.

### 3.10 Summary

A few logic checks and adjustments were made to the final inputted file to assure consistency. Insurance percentages were scaled to 100 percent. Hours by site of care were scaled to equal total medical hours. Where valid skips implied zero values (e.g., missing clinic visits without clinic hours, missing employee wages for practices without employees), zeros were filled in. Negative predictions were set equal to zero.

As mentioned earlier, the R-squares on the imputation regressions are low in many cases implying substantial unexplained variation. Predicted values, by definition, will have less variation and thereby reduce standard errors of estimates. Care should be taken in using imputed data, particularly in hypothesis testing.

# CHAPTER 3

## *EXHIBITS*

- **Exhibit 3-1 Imputation Regression Specifications**
- **Exhibit 3-2 Definition of Independent Variables used in Imputations**
- **Exhibit 3-3 Performance of Imputations**



TABLE 3-1

## IMPUTATION REGRESSION SPECIFICATIONS

<u>Dependent Variable (Question #)</u>	<u>Description</u>	<u>Imputation Function</u>
<b><u>PRODUCTIVITY</u></b>		
8	Weeks Absent	SPEC*Q29, SOLO, AGE, SEX, BOARD, FMG
9A and B	Total Hours, Admin. Hours	SPEC*SOLO, Q9D, AGE, SEX, BOARD, FMG, MSA
Log (10A-E/Box 3)	Weekly Hours by Site as a Proportion of all Medical Hours	SPEC, AGE, AGE <sup>2</sup> , BOARD, SOLO
11A-D	Weekly Visits by Site	Q10A-D*(SPEC, MSA, AGE, SEX, BOARD, SOLO), (Q10A-D) <sup>2</sup>
11C1	Outpatient Operations	Q11C*SPEC
<b><u>PRACTICE SIZE</u></b>		
12A-D	Full and Part-time MDs	Not Imputed; if 12A=1, 12B=0. If 12C=0, 12D=0
14	Non-MD Employees	SPEC*MD, SPEC*MD <sup>2</sup>
<b><u>PRACTICE COSTS</u></b>		
16	Gross MD Salaries	For Solo MDs: SAME AS NET For Group MDs: SP*MD, MSA*REG, Q7D
16A	MD Deferred Income	Box9A4*Q16, Q7D*Q16
16B	MD Fringe Benefits	Q16, SP*Q16 <sup>2</sup> , Q7D*Q16
17	MD Employee Salaries	Q16*RATMD*SP, EMPDUM*MDEMP
17A	MD Employee Deferred	Q16A*RATMD*SP
17B	MD Employee Fringes	Q16B*RATMD*SP
18	Non-MD Employee Wages	Q14*SP, MSA*REG, Q7D, SOLO, Q15PT
18A, 18B	Deferred Income and Fringes	Same method as Q16A, B
19A	Office Rent	MD, MD <sup>2</sup> , Q14, (Q14) <sup>2</sup> , SPEC, Q19C*FTEs, MSA*PCINC, POVPOP, SOLO
19B	Depreciation	MD, MD <sup>2</sup> , Q14, (Q14) <sup>2</sup> , Q19C*FTEs, COS19, SOLO
19D	Utilities/Telephone	FTEs, (Q19A+B), (Q19A+B) <sup>2</sup>

TABLE 3-1 (continued)

## IMPUTATION REGRESSION SPECIFICATIONS

<u>Dependent Variable (Question #)</u>	<u>Description</u>	<u>Imputation Function</u>
<b><u>PRACTICE COSTS</u></b>		
21	Medical Equipment Costs	MD, MD <sup>2</sup> , SPECEQ, Q14, Q15E, SOLO
22	Medical Supplies	SPEC, Q21, (Q21) <sup>2</sup> , BOX16, MD, NO21
23	Malpractice Insurance	SPECMAL*(MD, MD <sup>2</sup> , PTCARE, Q7D), SOLO
24	Automobile Expenses	SPEC*MD, Q14, MSA, POPDEN
25	Continuing Education Costs	SPEC*MD, Q14
26	Miscellaneous Costs	SPEC*MD, Q14, SOLO*SPEC
<b><u>NET INCOME</u></b>		
29	Net Income	NR*SPEC*SVIS, NR*SPEC*SURGR, RAP, Q7D, MSA, AGE, AGE <sup>2</sup> , SEX, BOARD, FMG
<b><u>MALPRACTICE</u></b>		
31	Individual Malpractice Costs	SPECMAL, PTCARE, STATE, SURG
<b><u>MEDICARE</u></b>		
38A, B, C, F	Patient Insurance Coverage: Uninsured, Medicare, Medicaid, Other	SPEC, MSA*REG, PCINC, POVPOP, AGE, SEX, FMG, BOARD
38D, E	Patient Insurance Coverage: Blue Shield, Other private	SPEC, REG*MSA, AGE, BOARD, PCINC

TABLE 3-2

## DEFINITION OF INDEPENDENT VARIABLES USED IN IMPUTATIONS

<u>INDEPENDENT VARIABLES</u>	<u>DEFINITION</u>
SPEC	Specialty designation
Q29	Physician personal net income
SOL0	0,1 indicator of solo vs. group practice: based on (Q12A)
Q9D	Trichotomous indicator: 1=average; 2=more hours; 3=less hours
MSA	Dichotomous rural-urban indicator: 0=rural, 1=urban
MD	Full-time-equivalent physicians in practice = Full-time physicians + 1/3*part-time physicians
MD <sup>2</sup>	Square of MD
BOX9A2	0,1 indicator of whether deferred compensation was combined with total wages
BOX9A3	0,1 indicator of whether fringe benefits were combined with total wages
BOX9A4	0,1, indicator of whether fringe benefits were combined with deferred compensation
REG	9 Census Divisions
Q7D	0,1 indicator whether practice is multispecialty
Q16	Practice gross physician wages and salaries
SP	Collapsed set of specialties grouped by average income level
Q13/MD	Number of physicians in practice of same specialty as respondent as a share of total MDs
Q14	Total practice nonphysician employees
Q15PT	Part-time, non-physician employees
Q19C	4-valued indicator of whether utilities and telephone are included in office space costs: 1=both; 2=utilities only; 3=telephone only; 4=neither
FTES	Total practice full-time equivalent employees, including both physicians and nonphysicians
PCINC	County per capita income
POVP0P	County percent of population in poverty
19A+B	Sum of reported office rents and depreciation



TABLE 3-2 (continued)  
 DEFINITION OF INDEPENDENT VARIABLES USED IN IMPUTATIONS

<u>VARIABLE_ID</u>	<u>DEFINITION</u>
SPECEQ	Set of specialty classes grouped by average medical equipment costs
Q15E	Number of medical technicians in total non-physician employees
Q21	Annual medical equipment costs
N021	A dummy variable equal to one if the practice had no equipment expenses
BOX16	0,1 indicator of whether office supplies were included with medical supplies
SPECMAL	Categorization of specialties by average malpractice premiums
STATE	50 dummy variables indicating state location of practice
POPDEN	County population density per square mile
Q10E	Weekly hours in other medical activities
PTCARE	Dummy = 1 if practice has any patient-care employees
AGE	Physician age
AGE <sup>2</sup>	Square of age
SEX	0,1 indicator of gender of physician (1=female)
BOARD	0,1 indicator of board certification
FMG	0,1 indicator of foreign medical graduate
NR	Dummy = 1 if physician not a radiologist, anesthesiologist, or pathologist; 0 otherwise
RAP	Three dummy variables designating radiologists, anesthesiologists, or pathologists
SURG	Dummy = 1 if MD performed any surgical operations, surgical assists, or deliveries
RATMD	Proportion of physicians in the practice who are employees
MDEMP	Number of physician employees as full time equivalents
EMPDU0M	Dummy variable for cases where verbatim identified physician employees as working only part of the year
SVIS	SUM of all visits in Q11A-D
SURGR	Proportion of operations in all visits (Q11C/SVIS)

TABLE 3-3

## PERFORMANCE OF IMPUTATIONS

<u>Dependent Variable (Question #)</u>	<u>Original Number Missing (including .C)</u>	<u>Number Replaced</u>	<u>R<sup>2</sup></u>	<u>Range of Replacements (Low/High)</u>	<u>Comments</u>
<u>PRODUCTIVITY</u>					
IMP8	18	19	.098	2.3/4.5	2 missing set=mean=4.13; 1 additional case set=missing.
IMP9A	5	5	.152	51.3/65.0	
IMP9B	4	4	.031	3.7/7.6	
IMP10A	12	12	.408	1.3/39.3	
IMP10B	25	25	.137	0.9/8.4	
IMP10C	32	29	.650	0.2/28.1	Replaced 3 values in decomposing Q10E.
IMP10D	50	47	.218	0.5/36.4	Replaced 3 values in decomposing Q10E.
IMP10E	33	33	.020	0.1/2.1	
IMP11A	31	31	.402	17/153	
IMP11B	49	50	.670	3.2/138	1 additional case set=missing.
IMP11C	23	23	.112	3.6/17.2	1 case replaced with mean.
IMP11C1	51	51	.755	1.0/13.4	
IMP11D	56	56	.357	6.4/55.8	
<u>PRACTICE SIZE</u>					
IMP14	23	27	.850	1/410	4 additional cases set=missing. 3 cases left as missing.
<u>COSTS</u>					
IMP16	273	215	.264/.870	51,116/31.2m.	For solo MDs, COS16 set=NET, where possible.
IMP16A	760	811	.135	531/2.1m.	475 16A cases initially combined with Q16.

TABLE 3-3 (continued)  
PERFORMANCE OF IMPUTATIONS

<u>Dependent Variable (Question #)</u>	<u>Original Number Missing (including .C)</u>	<u>Number Replaced</u>	<u>R<sup>2</sup></u>	<u>Range of Replacements (Low/High)</u>	<u>Comments</u>
IMP16B	679	731	.747	1290/1.7m.	370 16B cases initially combined with Q16.
IMP17	139	152	.689	3,292/3.0m.	6 cases left as missing.
IMP17A	216	220	.141	0/328,781	4 additional cases set=missing. 6 cases left as missing.
IMP17B	218	231	.689	0/825,422	13 additional cases set=missing. 6 cases left as missing.
IMP18	155	176	.803	6,550/1.1m	19 additional cases set=missing.
IMP18A	579	583	.676	3,712/427,030	425 cases initially combined with Q18; 1 additional case set=missing.
IMP18B	550	557	.941	0/2.1m	372 cases initially combined with Q18; 7 additional case set=missing.
IMP19A	68	68	.514	0/2.1m.	
IMP19B	151	151	.268	0/576,536	
IMP19D	141	142	.590	0/610,471	1 additional case set=missing; 3 separate models depending on Q19C
IMP21	391	391	.265	0/1.2m.	
IMP22	213	226	.545	0/2.1m.	13 cases set=missing.
IMP23	66	90	.793	1,414/1.5m.	24 cases set=missing.
IMP24	221	231	.250	2,826/405,214	10 cases set=missing.
IMP25	148	151	.468	1,970/389,283	3 cases set=missing.



TABLE 3-3 (continued)  
PERFORMANCE OF IMPUTATIONS

<u>Dependent Variable</u> (Question #)	<u>Original Number Missing</u> (including .C)	<u>Number Replaced</u>	<u>R<sup>2</sup></u>	<u>Range of Replacements</u> (Low/High)	<u>Comments</u>
IMP26	185	199	.806	0/3.1m.	14 cases set=missing.
<u>NET INCOME</u>					
IMPNET	288	301	.264	41,136/577,505	13 additional cases set=missing and imputed after failing screening edits.
<u>MALPRACTICE</u>					
IMP31	102	82	.533	173/42,064	20 cases replaced using Q23.
<u>MEDICARE</u>					
IMP38A	222	245	.102	3.7/24.0	23 additional cases imputed that failed editing screens.
IMP38B	152	177	.378	6.4/54.9	25 additional cases imputed that failed editing screens.
IMP38D	576	576	.106	4.4/27.8	361 cases combined with Q38E.
IMP38E	376	376	.186	4.4/27.1	163 cases combined with Q38D.
IMP38F	226	226	.035	0.0/8.3	

APPENDIX I-A

*IMPUTATION REGRESSIONS*



Dependent Variable: PRD9A\_S

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	24	137675.73966658	6736.48915273	25.90	0.0001
Error	3470	768588.12228006	221.49513610		
Corrected Total	3494	906263.86194564			
R-Square		C.V.			
R-Square		25.33027	14.88271266		
		0.161916			

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SIZE**STRATUM	16	31464.66082743	1966.54130171	8.88	0.0001
PRD9D	3	50231.34685363	16743.78208454	75.59	0.0001
AGE	1	40951.35689166	40951.35689166	184.89	0.0001
SEX	1	9813.04459906	9813.04459906	44.30	0.0001
BOARD	1	1130.28484947	1130.28484947	5.10	0.0276
FMG	1	0.00336553	0.00336553	0.00	0.9589
SMSA	1	4085.04287890	4085.04287890	18.44	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SIZE**STRATUM	16	30294.31207322	1893.39450458	8.55	0.0001
PRD9D	3	45451.29679929	15150.432265310	68.40	0.0001
AGE	1	43164.72427329	43164.72427329	194.88	0.0001
SEX	1	8594.04935691	8594.04935691	38.80	0.0001
BOARD	1	1404.82767696	1404.82767696	6.34	0.0118
FMG	1	1.40837052	1.40837052	0.01	0.9364
SMSA	1	4085.04287890	4085.04287890	18.44	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
ANS	64.56436367	12.75	0.0001	5.06753781
CAR	-1.98292973	-1.44	0.192	1.37752988
CTS	4.81639256	2.80	0.0001	1.7209620
GAS	7.61661636	4.86	0.0001	1.56872199
GFP	1.56614859	0.91	0.3628	1.716966412
IHD	-1.45240178	-1.24	0.2228	1.15183407
OMD	0.670643675	0.50	0.6168	1.427988805
OPH	3.60814085	2.79	0.0053	1.25686754
ORP	0.38796161	0.31	0.7513	1.27883415
OSU	-10.21447262	-0.44	0.6601	1.25686754
PSY	-7.15301692	-0.42	0.6774	1.5852365
RAO	-4.21493460	-0.22	0.822	1.35129546
	-4.31822159	-0.17	0.868	1.71696694
	-6.66363786	-1.38	0.168	2.75052422



SAS  
General Linear Model Procedure

Dependent Variable: PR08				
Source	DF	Sum of Squares	Mean Square	F Value
Model	21	2439.4825710	116.16583605	
Error	3177	22365.64529535	7.03986317	16.50
Corrected Total	3198	24805.12785245		

R-Square	0.098346	Root MSE	2.65327405	PR08 Mean	4.10440763
C.V.	64.64461	Mean Square			

Source	DF	Type I SS	Mean Square	F Value	Pr > F
NET-STRATUM	16	1535.49376688	95.96836043	13.63	0.0001
SIZE	1	782.44184796	782.44184796	111.14	0.0001
AGE	1	27.20562196	27.20562196	3.86	0.0494
SEX	1	66.65841350	66.65841350	9.47	0.0021
FHG	1	1.14981084	1.14981084	0.16	0.6861
BOARD	1	26.53309596	26.53309596	3.77	0.0523
Source	DF	Type III SS	Mean Square	F Value	Pr > F
NET-STRATUM	16	1244.36436478	77.77277217	11.05	0.0001
SIZE	1	770.64844019	770.64844019	109.46	0.0001
AGE	1	46.33805684	46.33805684	6.58	0.0103
SEX	1	73.01971107	73.01971107	10.37	0.0013
FHG	1	0.07193071	0.07193071	0.01	0.9195
BOARD	1	26.53309596	26.53309596	3.77	0.0523

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	4.288948517	12.39	0.0001	0.34615464
NET-STRATUM	0.000007919	17.82	0.0001	0.00000101
ANS	0.000001374	1.58	0.1139	0.00000087
CAR	0.000000121	0.20	0.8381	0.00000059
CTS	0.000000583	0.31	0.6094	0.00000114
GAS	0.0000003706	-2.65	0.0081	0.00000121
GFP	0.000002051	-3.13	0.0017	0.00000123
GSU	0.0000002850	-0.10	0.9234	0.00000078
IMO	0.000000075	-0.37	0.7101	0.00000097
IRG	0.000000359	1.91	0.0557	0.00000072
OPH	0.000001385	0.96	0.3373	0.00000062
ORS	0.000000598	0.15	0.3400	0.00000116
OSP	0.000001199	1.15	0.2487	0.00000098
OSU	0.0000001129	0.29	0.7721	0.00000111
PSY	0.000002540	6.27	0.0001	0.00000112
RAD	0.0000009281	-0.12	0.9065	0.00000116
URD	-0.000000136	-10.46	0.0001	0.09941306
SIZE	-1.040006696	8		

FOR THE 6 IMPUTATIONS OF WHICH 5 WERE NON-MISSING  
 General Linear Models Procedure

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
SIZE*STRATUM URO	0.34663141			
PRD9D 1	-3.71226090	0.49	0.6233	0.70573653
2	-3.35487683	-1.82	0.0690	2.04082232
3	-3.89504791	-1.63	0.1037	2.06130995
4	0.00000000	-1.88	0.0605	2.07398789
AGE 0	-0.04750026	-4.40	0.0001	0.01078999
SEX 1	0.33556290	0.78	0.4334	0.42826211
BOARD	0.00000000			
FMG	0.12248556	0.47	0.6389	0.26520349
SMSA 0	-1.66526916	-2.67	0.0077	0.39917870
1	0.60551777	-2.31	0.0207	0.26168335

NOTE: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimates followed by the letter 'B' are biased, and are not unique estimators of the parameters.

FOR THE 6 IMPUTATIONS OF WHICH 5 WERE NON-MISSING  
General Linear Models Procedure

Dependent Variable: PR098_S					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	24	4646.16771430	193.59032143	4.70	0.0001
Error	3471	143118.21998865	41.23256122		
Corrected Total	3495	147764.38770295			
		R-Square	Root MSE		PR098_S Mean
		0.031443	6.42125854		6.33273741
			101.3978		

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SIZE*STRATUM	16	3062.68395881	191.41774743	4.64	0.0001
PRD9D	3	227.30672545	75.76890848	1.84	0.1381
AGE	1	782.19989787	782.19989787	18.97	0.0001
SEX	1	25.79793495	25.79793495	0.63	0.4290
BOARD	1	42.67672798	42.67672798	1.04	0.3091
FMG	1	284.73152239	284.73152239	6.91	0.0086
SMSA	1	220.77094684	220.77094684	5.35	0.0207
Source	DF	Type III SS	Mean Square	F Value	Pr > F
SIZE*STRATUM	16	3534.25733236	220.89108327	5.36	0.0001
PRD9D	3	193.46840791	64.48946930	1.56	0.1960
AGE	1	799.07949506	799.07949506	19.38	0.0001
SEX	1	25.31447212	25.31447212	0.61	0.4334
BOARD	1	9.08052817	9.08052817	0.22	0.6389
FMG	1	293.64615145	293.64615145	7.12	0.0077
SMSA	1	220.77094684	220.77094684	5.35	0.0207

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
ANS	13.81746639	6.33	0.0001	2.18455348
CAR	-2.59243664	-4.37	0.0001	0.59304634
CTS	-0.96120302	-1.30	0.1931	0.73841997
GAS	-0.32785771	-0.48	0.6284	0.67728992
GFP	-1.64913024	-2.25	0.0245	0.73294853
GSU	-1.61516273	-3.20	0.0014	0.50462394
IMD	-0.89967634	-1.28	0.1989	0.70022642
OBG	-0.33624275	-0.68	0.4987	0.49693902
OPD	-2.49746219	-4.61	0.0001	0.54227028
OPH	-2.02204418	-3.67	0.0002	0.55090019
ORS	-1.75296943	-2.27	0.0231	0.77149941
OSP	-0.98137536	-1.43	0.1515	0.68408882
OSU	-0.17655916	-0.30	0.7620	0.58302138
PSY	-0.56257586	-0.76	0.4465	0.73896857
RAD	0.46702456	0.39	0.6939	1.18673333
	-3.39058628	-6.06	0.0001	0.555907978





FOR THE 6 IMPUTATIONS OF WHICH 5 WERE NON-MISSING  
General Linear Models Procedure

Dependent Variable: PRD98_S					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	24	4646.16771430	193.59032143	4.70	0.0001
Error	3471	143118.21998865	41.23256122		
Corrected Total	3495	147764.38770295			
R-Square			Root MSE		PRD98_S Mean
	0.031443		6.42125854		6.33273741
Source	DF	Type I SS	Mean Square	F Value	Pr > F

SIZE*STRATUM	16	3062.68395881	191.41774743	4.64	0.0001
PRD9D	3	227.30672545	75.76890848	1.84	0.1381
AGE	1	782.19989787	782.19989787	18.97	0.0001
SEX	1	25.79793495	25.79793495	0.63	0.4290
BOARD	1	42.67672798	42.67672798	1.04	0.3091
FMG	1	284.73152239	284.73152239	6.91	0.0086
SMSA	1	220.77094684	220.77094684	5.35	0.0207
Source	DF	Type III SS	Mean Square	F Value	Pr > F
SIZE*STRATUM	16	3534.25733236	220.89108327	5.36	0.0001
PRD9D	3	193.46840791	64.48946930	1.56	0.1960
AGE	1	799.07949506	799.07949506	19.38	0.0001
SEX	1	25.31447212	25.31447212	0.61	0.4334
BOARD	1	9.08052817	9.08052817	0.22	0.6389
FMG	1	293.64615145	293.64615145	7.12	0.0077
SMSA	1	220.77094684	220.77094684	5.35	0.0207

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
ANS	13.81746639	6.33	0.0001	2.18455348
CAR	-2.59243664	-4.37	0.0001	0.59304634
CTS	-0.96120302	-1.30	0.1931	0.73841997
GAS	-0.32785771	-0.48	0.6284	0.67728992
GFP	-1.64913024	-2.25	0.0245	0.73294853
GSU	-1.61516273	-3.20	0.0014	0.50462394
IMD	-0.89967634	-1.28	0.1989	0.70022642
OBG	-0.33624275	-0.68	0.4987	0.49695902
OMD	-2.49746219	-4.61	0.0001	0.54227028
OPH	-2.02204418	-3.67	0.0002	0.55090019
ORP	-1.75296943	-2.27	0.0231	0.77149941
OSP	-0.98137536	-1.43	0.1515	0.68408882
OSU	-0.17655916	-0.30	0.7620	0.58302138
PSY	-0.56257586	-0.76	0.4465	0.73896857
RAD	0.46702456	0.39	0.6939	1.18673333
	-3.39058628	-6.06	0.0001	0.555907978

DEPENDENT VARIABLE: LRA1100

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	832.07406203	48.94553306	26.28	0.0001
Error	3012	5213.925433949	1.73105094		
Corrected Total	3029	6045.99950153			
R-Square			Root MSF		
		-41.73925	1.51569409		
		0.137624			
			LRA1100 Mean		
			-3.15217505		

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATUM	13	754.67400653	58.05184666	33.54	0.0001
AGE1	1	66.14151132	66.14151132	38.21	0.0001
AGE2	1	5.79446037	5.79446037	3.35	0.0674
HOARD	1	4.35340866	4.35340866	2.51	0.1129
SOLO	1	1.11067516	1.11067516	0.64	0.4232
Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATUM	13	713.151052293	54.86777330	31.69	0.0001
AGE1	1	2.54800020	2.54800020	1.47	0.2281
AGE2	1	6.96597757	6.96597757	4.02	0.0449
HOARD	1	4.90119765	4.90119765	2.83	0.0925
SOLO	1	1.11067516	1.11067516	0.64	0.4232

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
CAR	-3.152848206	-6.82	0.0001	0.46254352
CTS	-0.359886236	-2.43	0.0152	0.148314443
GAS	0.482260612	3.36	0.0003	0.14333323
GFP	0.269489686	1.79	0.0736	0.14720174
GSU	-0.208399738	-1.77	0.0774	0.11795442
IMD	0.425769165	3.20	0.0014	0.13295378
OBG	-0.179777190	-1.49	0.1358	0.12049732
OPH	-0.282169673	-2.23	0.0261	0.12511054
ORR	-0.411711667	-3.29	0.0010	0.14083081
OSU	-0.920640177	-6.54	0.0001	0.14578874
OSY	0.376364104	2.58	0.0099	0.15117055
PSY	1.401957227	9.27	0.0001	0.13992550
URO	-0.116844639	-0.84	0.4038	0.13572005
AGE1	0.000000000			
AGE2	0.022313883	1.21	0.2251	0.101839206
HOARD	-0.000364354	-2.01	0.0449	0.100018165
SOLO	-0.098137429	-1.68	0.0925	0.058322282
	-0.040254139	-0.80	0.4232	0.050254115

General Linear Models Procedure

Dependent Variable: LRATIOC

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	5247.85464938	308.69733232	328.46	0.0
Error	3008	2826.99080272	0.93982407		
Corrected Total	3025	8074.84545211			
R-Square			Root MSE		LRATIOC Mean
R-Square		-32.26768	0.96944524		-3.00438462

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATUM	13	5187.60592133	399.04660933	424.60	0.0
AGE	1	35.34060013	35.34060013	37.00	0.0001
AGE2	1	10.43809675	10.43809675	11.11	0.0009
BOARD	1	5.52410629	5.52410629	5.88	0.0154
SOLO	1	8.94592487	8.94592487	9.52	0.0021
Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATUM	13	4782.77389961	367.90568459	391.46	0.0
AGE	1	6.08023045	6.08023045	6.47	0.0110
AGE2	1	9.88289980	9.88289980	10.52	0.0012
BOARD	1	3.67604370	3.67604370	3.91	0.0481
SOLO	1	8.94592487	8.94592487	9.52	0.0021

Parameter	Estimate	T for H0: Parameter=0	Pr >  t	Std Error of Estimate
INTERCEPT	-2.322934099	6.81	0.0001	0.34100365
CAR	-1.585907957	14.47	0.0001	0.10961028
CTS	0.753532354	7.15	0.0001	0.10540964
GAS	-1.111032495	10.20	0.0001	0.10887917
GFP	-2.295873107	25.93	0.0001	0.08699258
GSU	0.376672970	3.84	0.0001	0.09798159
TMN	-2.693250618	30.30	0.0001	0.08888528
ORIG	-0.092375909	0.99	0.3226	0.09341208
UMH	-2.613334490	28.37	0.0001	0.09212409
OPH	-0.700901500	6.76	0.0001	0.10361609
ORS	0.132273691	1.24	0.2166	0.10741423
OSP	-2.716051363	24.38	0.0001	0.11139581
OSU	0.193211563	1.29	0.1958	0.10294913
PSY	-2.842175681	28.41	0.0001	0.10004571
UKO	0.000000000			
AGE	0.034490841	2.54	0.0110	0.01356376
AGE2	-0.00434232	-3.24	0.0012	0.00013391
BOARD	0.085201923	1.98	0.0481	0.04308066
SOLO	0.114239356	-3.09	0.0021	0.03702767

\*\*\* WEIGHTED \*\*\*

MAINTENANCE COSTS FOR MRI EQUIPMENT

EQU50M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	61.7148	0.0	61.7148	0.0
DONT KNOW	623.52	0.3	685.234	0.3
MISSING	98.7695	0.0	784.004	0.4
VALID SKIP	216625	99.4	217409	99.7
VALID VALUES	561.184	0.3	217970	100.0

# TESTS WITH MRI EQUIPMENT

EQU51M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	134.137	0.1	134.137	0.1
MISSING	36.7617	0.0	170.898	0.1
VALID SKIP	216625	99.4	216795	99.5
NONE	62.5078	0.0	216858	99.5
VALID VALUES	1111.78	0.5	217970	100.0

PHYSICIAN TIME INVOLVED IN MAG RES IMAGE

EQU52MR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	320.105	0.1	320.105	0.1
MISSING	36.7617	0.0	356.867	0.2
VALID SKIP	216625	99.4	216981	99.5
10	98.6992	0.0	217080	99.6
15	37.1875	0.0	217117	99.6
20	205.012	0.1	217322	99.7
30	417.715	0.2	217740	99.9
35	70.7969	0.0	217811	99.9
45	96.4023	0.0	217907	100.0
60	62.5078	0.0	217970	100.0

NON-PHYSICIAN TIME: MAGNETIC RES IMAGERY

EQU53MR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	320.105	0.1	320.105	0.1
MISSING	36.7617	0.0	356.867	0.2
VALID SKIP	216625	99.4	216981	99.5
30	62.5078	0.0	217044	99.6
32	96.4023	0.0	217140	99.6
40	132.883	0.1	217273	99.7
45	107.984	0.0	217381	99.7
60	167.629	0.1	217549	99.8
90	134.137	0.1	217683	99.9
120	61.7148	0.0	217745	99.9
180	162.555	0.1	217907	100.0
240	62.5078	0.0	217970	100.0

R OWNS/LEASES/RENTS NUCLEAR SCAN EQUIP

EQU44N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	42.0703	0.0	42.0703	0.0
MISSING	582.875	0.3	624.945	0.3
VALID SKIP	205691	94.4	206316	94.7
NO	10852.5	5.0	217168	99.6
YES	801.352	0.4	217970	100.0



\*\*\* WEIGHTED \*\*\*

RESONANCE IMAGING EQUIPMENT PURCHASED

EQU45M1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	134.137	0.1	134.137	0.1
MISSING	36.7617	0.0	170.898	0.1
VALID SKIP	216625	99.4	216795	99.5
NO	384.465	0.2	217180	99.6
YES	789.824	0.4	217970	100.0

MAGNETIC RESONANCE IMAGING EQUIP LEASED

EQU45M2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	134.137	0.1	134.137	0.1
MISSING	36.7617	0.0	170.898	0.1
VALID SKIP	216625	99.4	216795	99.5
NO	888.016	0.4	217683	99.9
YES	286.273	0.1	217970	100.0

MAGNETIC RESONANCE IMAGE EQUIPMNT RENTED

EQU45M3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	134.137	0.1	134.137	0.1
MISSING	36.7617	0.0	170.898	0.1
VALID SKIP	216625	99.4	216795	99.5
NO	1174.29	0.5	217970	100.0

TOTAL COST OF MAGNETIC RES IMAGING EQUIP

EQU47M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	481.668	0.2	481.668	0.2
MISSING	98.7695	0.0	580.438	0.3
VALID SKIP	216625	99.4	217205	99.6
VALID VALUES	764.75	0.4	217970	100.0

MAGNETIC RES IMAGING EQUIP COST SHARED

EQU48M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	72.1289	0.0	72.1289	0.0
MISSING	36.7617	0.0	108.891	0.0
VALID SKIP	216625	99.4	216733	99.4
NO	810.57	0.4	217544	99.8
YES	425.727	0.2	217970	100.0

R SHARE OF MAG RES IMAGERY EQUIP COSTS

EQU49M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	61.7148	0.0	61.7148	0.0
VALID SKIP	217544	99.8	217606	99.8
8	98.1914	0.0	217704	99.9
18	98.1914	0.0	217802	99.9
33	98.6992	0.0	217901	100.0
50	68.9297	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

# TESTS PERFORMD USING CT SCAN EQUIPMNT

EQU51L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	242.258	0.1	242.258	0.1
MISSING	36.7617	0.0	279.02	0.1
VALID SKIP	216102	99.1	216381	99.3
VALID VALUES	1588.49	0.7	217970	100.0

PHYSICIAN TIME INVOLVED IN CT SCAN

EQU52LR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	364.977	0.2	364.977	0.2
MISSING	36.7617	0.0	401.738	0.2
VALID SKIP	216102	99.1	216504	99.3
2	99.8945	0.0	216604	99.4
5	76.5469	0.0	216680	99.4
10	177.859	0.1	216858	99.5
15	109.316	0.1	216968	99.5
20	252.672	0.1	217220	99.7
25	70.7969	0.0	217291	99.7
30	504.91	0.2	217796	99.9
60	128.449	0.1	217924	100.0
90	45.3242	0.0	217970	100.0

NON-PHYSICIAN TIME ASSISTING CT SCAN

EQU53LR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	364.977	0.2	364.977	0.2
MISSING	36.7617	0.0	401.738	0.2
VALID SKIP	216102	99.1	216504	99.3
0	79.1602	0.0	216583	99.4
3	99.8945	0.0	216683	99.4
15	111.766	0.1	216795	99.5
20	66.4414	0.0	216861	99.5
25	70.7969	0.0	216932	99.5
30	315.723	0.1	217248	99.7
45	198.395	0.1	217446	99.8
60	299.031	0.1	217745	99.9
75	62.0078	0.0	217807	99.9
90	162.555	0.1	217970	100.0

R OWNS/LEASES/RENTS MAGNETIC RES EQUIP

EQU44M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	42.0703	0.0	42.0703	0.0
MISSING	582.875	0.3	624.945	0.3
VALID SKIP	205691	94.4	206316	94.7
NO	10308.6	4.7	216625	99.4
YES	1345.19	0.6	217970	100.0

R HAS INVESTMNT IN MAG RESONANCE EQUIP

EQU44AM	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	42.0703	0.0	42.0703	0.0
MISSING	741.387	0.3	783.457	0.4
VALID SKIP	205691	94.4	206474	94.7
NO	11057.8	5.1	217532	99.8
YES	437.453	0.2	217970	100.0

\*\*\* WEIGHTED \*\*\*

RADIOLOGISTS - CT SCAN EQUIPMNT LEASED

EQU45L2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	62.0078	0.0	62.0078	0.0
MISSING	144.594	0.1	206.602	0.1
VALIO SKIP	216102	99.1	216309	99.2
NO	976.258	0.4	217285	99.7
YES	684.648	0.3	217970	100.0

RADIOLOGISTS - CT SCAN EQUIPMENT RENTED

EQU45L3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	62.0078	0.0	62.0078	0.0
MISSING	144.594	0.1	206.602	0.1
VALIO SKIP	216102	99.1	216309	99.2
NO	1557.73	0.7	217867	100.0
YES	103.18	0.0	217970	100.0

TOTAL COST OF CT SCAN EQUIPMENT

EQU47L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	698.855	0.3	698.855	0.3
MISSING	206.602	0.1	905.457	0.4
VALIO SKIP	216102	99.1	217008	99.6
VALIO VALUES	962.051	0.4	217970	100.0

CT SCAN EQUIPMENT COSTS SHARED

EQU48L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	76.6211	0.0	76.6211	0.0
MISSING	144.594	0.1	221.215	0.1
VALIO SKIP	216102	99.1	216323	99.2
NO	1449.2	0.7	217773	99.9
YES	197.094	0.1	217970	100.0

R SHARE OF CT SCAN EQUIPMENT COSTS

EQU49L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	61.7148	0.0	61.7148	0.0
VALIO SKIP	217773	99.9	217834	99.9
34	98.1914	0.0	217933	100.0
50	37.1875	0.0	217970	100.0

MAINTENANCE COST FOR CT SCAN EQUIPMENT

EQU50L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	161.609	0.1	161.609	0.1
OONT KNOW	434.066	0.2	595.676	0.3
MISSING	206.602	0.1	802.277	0.4
VALIO SKIP	216102	99.1	216904	99.5
NO MAINT. COST	280.531	0.1	217185	99.6
VALIO VALUES	784.699	0.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

PHYSICIAN TIME IN BLOOD POOL IMAGERY

EQU52KR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	115.219	0.1	115.219	0.1
VALID SKIP	217102	99.6	217217	99.7
0	108.809	0.0	217326	99.7
5	160.727	0.1	217487	99.8
10	42.0391	0.0	217529	99.8
15	49.6914	0.0	217578	99.8
20	121.781	0.1	217700	99.9
30	127.375	0.1	217828	99.9
35	54.0664	0.0	217882	100.0
40	31.0117	0.0	217913	100.0
90	57.1055	0.0	217970	100.0

NON-PHYSICIAN TIME: BLOOD POOL IMAGERY

EQU53KR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	115.219	0.1	115.219	0.1
VALID SKIP	217102	99.6	217217	99.7
10	42.0391	0.0	217259	99.7
20	61.7813	0.0	217321	99.7
30	47.0273	0.0	217368	99.7
40	65.5938	0.0	217434	99.8
45	61.7813	0.0	217495	99.8
60	326.633	0.1	217822	99.9
70	59.6328	0.0	217882	100.0
75	31.0117	0.0	217913	100.0
360	57.1055	0.0	217970	100.0

R OWNS/LEASES/RENTS CT. SCAN EQUIPMENT

EQU44L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	42.0703	0.0	42.0703	0.0
MISSING	582.875	0.3	624.945	0.3
VALID SKIP	205691	94.4	206316	94.7
NO	9786.3	4.5	216102	99.1
YES	1867.51	0.9	217970	100.0

R HAS INVESTMENT IN CT SCAN EQUIPMENT

EQU44AL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	42.0703	0.0	42.0703	0.0
MISSING	741.387	0.3	783.457	0.4
VALID SKIP	205691	94.4	206474	94.7
NO	11272.9	5.2	217747	99.9
YES	222.422	0.1	217970	100.0

CT SCAN EQUIPMENT PURCHASED

EQU45L1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	62.0078	0.0	62.0078	0.0
MISSING	144.594	0.1	206.602	0.1
VALID SKIP	216102	99.1	216309	99.2
NO	787.828	0.4	217097	99.6
YES	873.078	0.4	217970	100.0



\*\*\* WEIGHTED \*\*\*

MYOCARDIUM EQUIPMENT RENTED

EQU45K3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	49.6914	0.0	49.6914	0.0
VALID SKIP	217102	99.6	217152	99.6
NO	768.508	0.4	217920	100.0
YES	49.625	0.0	217970	100.0

TOTAL COST OF BLOOD POOL IMAGERY EQUIP

EQU47K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	85.0781	0.0	85.0781	0.0
DONT KNOW	237.066	0.1	322.145	0.1
MISSING	65.5938	0.0	387.738	0.2
REFUSAL	47.0273	0.0	434.766	0.2
VALID SKIP	217102	99.6	217537	99.8
VALID VALUES	433.059	0.2	217970	100.0

BLOOD POOL IMAGERY EQUIP COSTS SHARED

EQU48K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	49.6914	0.0	49.6914	0.0
MISSING	60	0.0	109.691	0.1
VALID SKIP	217102	99.6	217212	99.7
NO	758.133	0.3	217970	100.0

R SHARE: BLOOD POOL IMAGERY EQUIP COST

EQU49K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	217970	100.0	217970	100.0

MAINT. COSTS: BLOOD POOL IMAGERY EQUIP

EQU50K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	91.0117	0.0	91.0117	0.0
DONT KNOW	284.699	0.1	375.711	0.2
REFUSAL	47.0273	0.0	422.738	0.2
VALID SKIP	217102	99.6	217525	99.8
NO MAINT. COST	219.98	0.1	217745	99.9
VALID VALUES	225.105	0.1	217970	100.0

# TESTS PERFORMD USING MYOCARDIUM EQUIP

EQU51K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	107.633	0.0	107.633	0.0
VALID SKIP	217102	99.6	217210	99.7
VALID VALUES	760.191	0.3	217970	100.0

\*\*\* WEIGHTED \*\*\*

NON-PHYSICIAN TIME ASSISTING STRESS TEST

EQU53JR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	61.6914	0.0	61.6914	0.0
DONT KNOW	215.273	0.1	276.965	0.1
MISSING	119.66	0.1	396.625	0.2
VALID SKIP	213622	98.0	214018	98.2
0	49.625	0.0	214068	98.2
10	107.633	0.0	214175	98.3
15	107.633	0.0	214283	98.3
20	320.262	0.1	214603	98.5
25	177.629	0.1	214781	98.5
28	63	0.0	214844	98.6
30	1246.51	0.6	216090	99.1
35	57.1055	0.0	216148	99.2
40	173.207	0.1	216321	99.2
45	496.648	0.2	216817	99.5
50	61.7813	0.0	216879	99.5
60	810.758	0.4	217690	99.9
70	52.3984	0.0	217742	99.9
75	49.6914	0.0	217792	99.9
90	65.5938	0.0	217858	99.9
120	112.031	0.1	217970	100.0

R OWNS/LEASES BLOOD POOL IMAGERY EQUIP

EQU44K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.0	7	0.0
MISSING	252.086	0.1	259.086	0.1
VALID SKIP	210363	96.5	210622	96.6
NO	6479.93	3.0	217102	99.6
YES	867.824	0.4	217970	100.0

R HAS INVSTMNT: BLOOD POOL IMAGERY EQUIP

EQU44AK	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.0	7	0.0
MISSING	311.719	0.1	318.719	0.1
VALID SKIP	210363	96.5	210682	96.7
NO	6983.5	3.2	217665	99.9
YES	304.617	0.1	217970	100.0

MYOCARDIUM EQUIPMENT PURCHASED

EQU45K1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	49.6914	0.0	49.6914	0.0
VALID SKIP	217102	99.6	217152	99.6
NO	200.297	0.1	217352	99.7
YES	617.836	0.3	217970	100.0

MYOCARDIUM EQUIPMENT LEASED

EQU45K2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	49.6914	0.0	49.6914	0.0
VALID SKIP	217102	99.6	217152	99.6
NO	617.836	0.3	217769	99.9
YES	200.297	0.1	217970	100.0

\*\*\* WEIGHTED \*\*\*

STRESS TEST EQUIPMENT COSTS SHARED

EQU48J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.473	0.1	111.473	0.1
MISSING	278.047	0.1	389.52	0.2
VALID SKIP	213622	98.0	214011	98.2
NO	3866.88	1.8	217878	100.0
YES	91.7305	0.0	217970	100.0

R SHARE OF STRESS TEST EQUIP COSTS

EQU49J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	217878	100.0	217878	100.0
25	49.6914	0.0	217928	100.0
33	42.0391	0.0	217970	100.0

MAINTENANCE COST: STRESS TEST EQUIPMENT

EQU50J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	466.547	0.2	466.547	0.2
DONT KNOW	897.918	0.4	1364.46	0.6
MISSING	337.68	0.2	1702.14	0.8
REFUSAL	106.66	0.0	1808.8	0.8
VALID SKIP	213622	98.0	215430	98.8
NO MAINT. COST	471.133	0.2	215901	99.1
VALID VALUES	2068.2	0.9	217970	100.0

# TESTS DONE USING CARDIOVASCULAR EQUIP

EQU51J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	108.809	0.0	108.809	0.0
MISSING	185.254	0.1	294.063	0.1
VALID SKIP	213622	98.0	213916	98.1
NONE	61.6914	0.0	213977	98.2
VALID VALUES	3992.38	1.8	217970	100.0

PHYSICIAN TIME INVOLVED IN STRESS TEST

EQU52JR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	61.6914	0.0	61.6914	0.0
DONT KNOW	215.273	0.1	276.965	0.1
MISSING	150.672	0.1	427.637	0.2
VALID SKIP	213622	98.0	214049	98.2
0	184.957	0.1	214234	98.3
3	49.625	0.0	214284	98.3
5	113.699	0.1	214397	98.4
10	96.5938	0.0	214494	98.4
12	76.1484	0.0	214570	98.4
15	233.84	0.1	214804	98.5
20	628.945	0.3	215433	98.8
25	150.848	0.1	215584	98.9
30	940.371	0.4	216524	99.3
40	465.066	0.2	216989	99.6
45	385.969	0.2	217375	99.7
60	366.074	0.2	217741	99.9
70	61.7813	0.0	217803	99.9
90	114.18	0.1	217917	100.0
120	52.3984	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

MAINTENANCE COST: STRESS TEST EQUIPMENT

EQU50G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	733.129	0.3	733.129	0.3
DONT KNOW	2343.05	1.1	3076.18	1.4
MISSING	559.992	0.3	3636.17	1.7
VALIO SKIP	210020	96.4	213656	98.0
NO MAINT. COST	1598.57	0.7	215255	98.8
VALID VALUES	2714.87	1.2	217970	100.0

# TESTS DONE USING CARDIOVASCULAR EQUIP

EQU51G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1284.2	0.6	1284.2	0.6
MISSING	293.477	0.1	1577.68	0.7
REFUSAL	152.09	0.1	1729.77	0.8
VALIO SKIP	210020	96.4	211750	97.1
NONE	449.516	0.2	212199	97.4
VALIO VALUES	5770.33	2.6	217970	100.0

PHYSICIAN TIME INVOLVED IN STRESS TESTS

EQU52GR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OIDNT PERFORM	370.859	0.2	370.859	0.2
OONT KNOW	1262.57	0.6	1633.43	0.7
MISSING	164.984	0.1	1798.41	0.8
REFUSAL	152.09	0.1	1950.5	0.9
VALIO SKIP	210020	96.4	211971	97.2
0	349.484	0.2	212320	97.4
1	96.1094	0.0	212416	97.5
15	247.461	0.1	212664	97.6
20	1007.5	0.5	213671	98.0
24	73.3516	0.0	213744	98.1
25	72.7188	0.0	213817	98.1
30	1824.41	0.8	215642	98.9
35	73.3516	0.0	215715	99.0
40	71.1172	0.0	215786	99.0
45	704.727	0.3	216491	99.3
50	42.3242	0.0	216533	99.3
60	1148.66	0.5	217682	99.9
90	164.238	0.1	217846	99.9
100	123.652	0.1	217970	100.0

NON-PHYSICIAN TIME ASSISTING STRESS TEST

EQU53GR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OIONT PERFORM	370.859	0.2	370.859	0.2
OONT KNOW	1262.57	0.6	1633.43	0.7
MISSING	194.316	0.1	1827.75	0.8
REFUSAL	152.09	0.1	1979.84	0.9
VALIO SKIP	210020	96.4	212000	97.3
0	109.5	0.1	212109	97.3
5	73.3516	0.0	212183	97.3
10	72.7188	0.0	212255	97.4
15	218.152	0.1	212474	97.5
20	419.391	0.2	212893	97.7
25	134.723	0.1	213028	97.7
30	1970.09	0.9	214998	98.6
40	249.621	0.1	215247	98.8
45	780.633	0.4	216028	99.1
60	1599.01	0.7	217627	99.8
75	64.2461	0.0	217691	99.9
80	73.3516	0.0	217765	99.9
90	106.289	0.0	217871	100.0
120	98.6992	0.0	217970	100.0



\*\*\* WEIGHTED \*\*\*

CARDIOVASCULAR EQUIPMENT PURCHASED

EQU45G1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	491.359	0.2	491.359	0.2
MISSING	244.223	0.1	735.582	0.3
VALID SKIP	210020	96.4	210756	96.7
NO	1186.94	0.5	211943	97.2
YES	6027.09	2.8	217970	100.0

CARDIOVASCULAR EQUIPMENT LEASED

EQU45G2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	491.359	0.2	491.359	0.2
MISSING	244.223	0.1	735.582	0.3
VALID SKIP	210020	96.4	210756	96.7
NO	6172.8	2.8	216928	99.5
YES	1041.23	0.5	217970	100.0

CARDIOVASCULAR EQUIPMENT RENTED

EQU45G3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	491.359	0.2	491.359	0.2
MISSING	244.223	0.1	735.582	0.3
VALID SKIP	210020	96.4	210756	96.7
NO	7066.72	3.2	217822	99.9
YES	147.309	0.1	217970	100.0

TOTAL COST OF STRESS TEST EQUIPMENT

EQU47G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	615.926	0.3	615.926	0.3
DONT KNOW	2879.32	1.3	3495.25	1.6
MISSING	422.246	0.2	3917.5	1.8
VALID SKIP	210020	96.4	213938	98.2
VALID VALUES	4032.12	1.8	217970	100.0

STRESS TEST EQUIPMENT COSTS SHARED

EQU48G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	624.574	0.3	624.574	0.3
MISSING	717.289	0.3	1341.86	0.6
VALID SKIP	210020	96.4	211362	97.0
NO	6167.93	2.8	217530	99.8
YES	439.82	0.2	217970	100.0

R SHARE OF STRESS TEST EQUIPMENT COSTS

EQU49G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	217530	99.8	217530	99.8
3	157.313	0.1	217687	99.9
10	71.1172	0.0	217758	99.9
20	105.102	0.0	217863	100.0
50	106.289	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN COLONOSCOPY

EQU52FR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
100	31.1719	0.0	217581	99.8
110	91.4141	0.0	217673	99.9
120	167.926	0.1	217840	99.9
150	93.2188	0.0	217934	100.0
180	36.0156	0.0	217970	100.0

NON-PHYSICIAN TIME ASSISTING COLONOSCOPY

EQU53FR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	654.438	0.3	654.438	0.3
DONT KNOW	1175.26	0.5	1829.7	0.8
MISSING	220.745	0.1	2050.44	0.9
REFUSAL	77.3438	0.0	2127.78	1.0
VALID SKIP	211093	96.8	213221	97.8
0	437.293	0.2	213658	98.0
5	75.3125	0.0	213733	98.1
6	17.5586	0.0	213751	98.1
10	84.7891	0.0	213835	98.1
15	294.574	0.1	214130	98.2
18	24.1445	0.0	214154	98.2
20	439.883	0.2	214594	98.5
30	515.454	0.2	215110	98.7
40	95.2617	0.0	215205	98.7
45	324.609	0.1	215529	98.9
50	106.621	0.0	215636	98.9
60	1120.45	0.5	216756	99.4
65	22.0586	0.0	216779	99.5
75	259.949	0.1	217038	99.6
90	235.313	0.1	217274	99.7
110	91.4141	0.0	217365	99.7
115	51.168	0.0	217416	99.7
120	331.258	0.2	217748	99.9
135	73.3516	0.0	217821	99.9
180	39.3359	0.0	217860	99.9
240	36.0156	0.0	217896	100.0
450	73.3516	0.0	217970	100.0

R OWNS/LEASES/RENTS STRESS TEST EQUIPMNT

EQU44G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	240.203	0.1	240.203	0.1
MAIL QUEST.	253.063	0.1	493.266	0.2
MISSING	2058.7	0.9	2551.97	1.2
VALID SKIP	159772	73.3	162324	74.5
NO	47695.9	21.9	210020	96.4
YES	7949.61	3.6	217970	100.0

R HAS INVESTMENT IN STRESS TEST EQUIP

EQU44AG	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	123.652	0.1	123.652	0.1
MAIL QUEST.	253.063	0.1	376.715	0.2
MISSING	3355.61	1.5	3732.32	1.7
VALID SKIP	159772	73.3	163505	75.0
NO	53255.2	24.4	216760	99.4
YES	1209.93	0.6	217970	100.0

\*\*\* WEIGHTED \*\*\*

COLONOSCOPY EQUIPMENT COSTS SHARED

EQU48F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	444.8	0.2	444.8	0.2
MISSING	667.379	0.3	1112.18	0.5
VALID SKIP	211093	96.8	212205	97.4
NO	5554.65	2.5	217760	99.9
YES	210.121	0.1	217970	100.0

R SHARE OF COLONOSCOPY EQUIPMENT COSTS

EQU49F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	15.5	0.0	15.5	0.0
VALID SKIP	217760	99.9	217775	99.9
3	157.313	0.1	217932	100.0
33	37.3086	0.0	217970	100.0

MAINTENANCE COST OF COLONOSCOPY EQPMNT

EQU50F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	633.414	0.3	633.414	0.3
DONT KNOW	2093.74	1.0	2727.16	1.3
MISSING	456.863	0.2	3184.02	1.5
VALID SKIP	211093	96.8	214277	98.3
NO MAINT. COST	1661.84	0.8	215939	99.1
VALID VALUES	2031.09	0.9	217970	100.0

#TESTS PERFORMD USING COLONOSCOPY EQUIP

EQU51F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1378.36	0.6	1378.36	0.6
MISSING	220.745	0.1	1599.1	0.7
OUT OF RANGE	203.039	0.1	1802.14	0.8
REFUSAL	77.3438	0.0	1879.48	0.9
VALID SKIP	211093	96.8	212972	97.7
NONE	1259.77	0.6	214232	98.3
VALID VALUES	3737.69	1.7	217970	100.0

PHYSICIAN TIME INVOLVED IN COLONOSCOPY

EQU52FR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	654.438	0.3	654.438	0.3
DONT KNOW	1108.08	0.5	1762.52	0.8
MISSING	220.745	0.1	1983.26	0.9
REFUSAL	77.3438	0.0	2060.61	0.9
VALID SKIP	211093	96.8	213153	97.8
0	77.3438	0.0	213231	97.8
3	96.1094	0.0	213327	97.9
5	24.1445	0.0	213351	97.9
9	30.2461	0.0	213381	97.9
10	16.1016	0.0	213397	97.9
15	249.805	0.1	213647	98.0
18	24.1445	0.0	213671	98.0
20	231.168	0.1	213902	98.1
25	92.7734	0.0	213995	98.2
30	938.153	0.4	214933	98.6
35	83.9063	0.0	215017	98.6
40	231.32	0.1	215249	98.8
45	470.668	0.2	215719	99.0
50	36.0156	0.0	215755	99.0
60	1379.65	0.6	217135	99.6
65	22.0586	0.0	217157	99.6
75	152.344	0.1	217309	99.7
90	240.641	0.1	217550	99.8

\*\*\* WEIGHTED \*\*\*

DATA CAPTURE METHOD00

MODE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
CAOE	108886	50.0	108886	50.0
CATI	109084	50.0	217970	100.0

MEMBER OF MULTISPECIALTY GROUP

MULTSPEC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	133.125	0.1	133.125	0.1
NOT MULTI-SPEC	186648	85.6	186781	85.7
MULTI-SPEC	31188.6	14.3	217970	100.0

PHYSICIANS WHO OWN/LEASE/RENT EQUIPMENT

EQPMT	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	1253.89	0.6	1253.89	0.6
HAS NO EQUIPMENT	102194	46.9	103448	47.5
HAS EQUIPMENT	114521	52.5	217970	100.0

OWN, LEASE, OR RENT LABORATORY EQUIPMENT

LAB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	1825.79	0.8	1825.79	0.8
HAS NO LAB EQPMT	150558	69.1	152384	69.9
HAS LAB EQUIPMNT	65586	30.1	217970	100.0

OUTSIOE INVESTMENTS IN EQUIPMENT

EQINVMT	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	5376.12	2.5	5376.12	2.5
HAS NO INVESTS	198169	90.9	203545	93.4
HAS INVESTMENTS	14424.4	6.6	217970	100.0

OUTSIOE INVESTMENTS IN LAB EQUIPMENT

LABINVMT	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	6535.72	3.0	6535.72	3.0
HAS NO INVESTS	206020	94.5	212555	97.5
HAS INVESTMENTS	5414.38	2.5	217970	100.0



\*\*\* WEIGHTED \*\*\*

PERSONAL NET INCOME AS CATEGORICAL VAR

INC29R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUES	17424.5	8.0	17424.5	8.0
< \$30K	4216.04	1.9	21640.5	9.9
\$30K - < \$40K	3598.5	1.7	25239	11.6
\$40K - < \$50K	5053.3	2.3	30292.3	13.9
\$50K - < \$60K	6022.33	2.8	36314.6	16.7
\$60K - < \$70K	9315	4.3	45629.6	20.9
\$70K - < \$80K	12318.6	5.7	57948.2	26.6
\$80K - < \$90K	13478.5	6.2	71426.7	32.8
\$90K - < \$100K	12496	5.7	83922.6	38.5
\$100K - < \$120K	23213.8	10.7	107136	49.2
\$120K - < \$140K	23542.5	10.8	130679	60.0
\$140K - < \$160K	20034.6	9.2	150714	69.1
\$160K - < \$200K	22573.2	10.4	173287	79.5
\$160K - < \$250K	18163	8.3	191450	87.8
\$250K - < \$300K	10373.5	4.8	201823	92.6
\$300K - < \$350K	5639.23	2.6	207463	95.2
\$350K - < \$400K	2739.21	1.3	210202	96.4
\$400K - < \$450K	2553.75	1.2	212755	97.6
\$450K - < \$500K	1712.15	0.8	214468	98.4
\$500K +	3502.07	1.6	217970	100.0

LIMIT PER CASE ON MAL POLICIES-CONT VAR

MAL35R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6214.1	2.9	6214.1	2.9
MISSING	373.32	0.2	6587.42	3.0
OUT OF RANGE	14.2742	0.0	6601.7	3.0
REFUSAL	418.997	0.2	7020.69	3.2
UNCODEABLE	580.93	0.3	7601.62	3.5
VALID SKIP	2119.57	1.0	9721.2	4.5
VALID VALUES	208248	95.5	217970	100.0

TOTAL LIMIT ALL MAL POLICIES-CONTINUOUS

MAL36R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7118.1	3.3	7118.1	3.3
MISSING	331.629	0.2	7449.73	3.4
OUT OF RANGE	27.7668	0.0	7477.5	3.4
REFUSAL	427.497	0.2	7905	3.6
UNCODEABLE	688.375	0.3	8593.37	3.9
VALID SKIP	2119.57	1.0	10712.9	4.9
VALID VALUES	207257	95.1	217970	100.0

PHYSICIAN HAS ANY MEDICARE PATIENTS

MEDICARE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	141.867	0.1	141.867	0.1
NO MEDICARE PTS	19272.3	8.8	19414.2	8.9
HAS MEDICARE PTS	198556	91.1	217970	100.0

PHYSICIAN HAS ANY MEDICAID PATIENTS

MEDICAID	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	141.867	0.1	141.867	0.1
NO MEDICAID PTS	36741.1	16.9	36882.9	16.9
HAS MEDICAID PTS	181087	83.1	217970	100.0

\*\*\* WEIGHTED \*\*\*

SECOND BOARD CERTIFICATION

BOARD2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO RECOGNITION	208832	95.8	208832	95.8
ALLERGY/IMMUN	1045.01	0.5	209877	96.3
ANESTHESIOLOGY	393.531	0.2	210270	96.5
COLON/RECTAL SRG	48.1445	0.0	210318	96.5
DERMATOLOGY	347.211	0.2	210666	96.6
EMERGENCY MED	905.102	0.4	211571	97.1
FAMILY PRACTICE	73.8945	0.0	211645	97.1
INTERNAL MED	388.781	0.2	212033	97.3
NUCLEAR MEDICINE	982.484	0.5	213016	97.7
OB/GYN	123.004	0.1	213139	97.8
OPHTHALMOLOGY	210.258	0.1	213349	97.9
OTOLARYNGOLOGY	58.0117	0.0	213407	97.9
PATHOLOGY	131.449	0.1	213539	98.0
PEDIATRICS	326.598	0.1	213865	98.1
PHYS MED/REHAB	114.461	0.1	213980	98.2
PLASTIC SURG	609.68	0.3	214589	98.4
PREVENTIVE MED	96.1094	0.0	214685	98.5
PSYCH/NEURO	485.977	0.2	215171	98.7
RADIOLOGY	277.055	0.1	215448	98.8
SURGERY	151.602	0.1	215600	98.9
THORACIC SURG	2337.25	1.1	217937	100.0
UROLOGY	32.3984	0.0	217970	100.0

FINANCIAL INFORMATION PROVIDED BY PROXY

PROXY	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	113681	52.2	113681	52.2
YES	104289	47.8	217970	100.0

DATE INTERVIEW BEGAN

INTSTART	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	10643.7	4.9	10643.7	4.9
VALID VALUES	207326	95.1	217970	100.0

DATE INTERVIEW COMPLETED

INTDATE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9355.1	4.3	9355.1	4.3
VALID VALUES	208615	95.7	217970	100.0

PHYSICIAN A SOLO PRACTITIONER

SOLO	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	537.883	0.2	537.883	0.2
NOT SOLO	115134	52.8	115672	53.1
SOLO	102298	46.9	217970	100.0

\*\*\* WEIGHTED \*\*\*

INFO AT GROUP OR INDIVIDUAL LEVEL

INT69B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GROUP	182083	83.5	182083	83.5
INDIVIDUAL	7353.48	3.4	189437	86.9
PHYS. EMPLOYEE	28532.9	13.1	217970	100.0

AGE OF RESPONDENT (1988 - BIRTH YEAR)

AGE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	217970	100.0	217970	100.0

RECODED AGE

AGE_R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
< 35	25290.3	11.6	25290.3	11.6
35-39	44521.7	20.4	69812	32.0
40-49	70184.3	32.2	139996	64.2
50-59	46881.3	21.5	186878	85.7
60-64	17276.7	7.9	204154	93.7
65 +	13815.4	6.3	217970	100.0

RESPONDENT'S SEX

SEX	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MALE	199402	91.5	199402	91.5
FEMALE	18567.6	8.5	217970	100.0

FOREIGN OR DOMESTIC SCHOOL GRADUATE

FMG	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DOMESTIC GRAD	171130	78.5	171130	78.5
FOREIGN GRAO	46839.7	21.5	217970	100.0

\*\*\* WEIGHTED \*\*\*

FIRST BOARD CERTIFICATION

BOARD1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO RECOGNITION	56587.5	26.0	56587.5	26.0
ALLERGY/IMMUN	220.727	0.1	56808.2	26.1
ANESTHESIOLOGY	6427.36	2.9	63235.6	29.0
COLON/RECTAL SRG	223.223	0.1	63458.8	29.1
DERMATOLOGY	3046.08	1.4	66504.9	30.5
EMERGENCY MED	1774.47	0.8	68279.4	31.3
FAMILY PRACTICE	19966.5	9.2	88245.9	40.5
INTERNAL MEO	36424.6	16.7	124670	57.2
NEURO SURGERY	1141.91	0.5	125812	57.7
NUCLEAR MEDICINE	484.254	0.2	126297	57.9
OB/GYN	13288.5	6.1	139585	64.0
OPHTHALMOLOGY	7560.67	3.5	147146	67.5
ORTHOPEDIC SURG	9113.55	4.2	156259	71.7
OTOLARYNGOLOGY	4818.23	2.2	161078	73.9
PATHOLOGY	3850.24	1.8	164928	75.7
PEDIATRICS	11273.1	5.2	176201	80.8
PHYS MEO/REHAB	423.953	0.2	176625	81.0
PLASTIC SURG	1495.05	0.7	178120	81.7
PSYCH/NEURO	9890.39	4.5	188010	86.3
RADIOLOGY	10990.9	5.0	199001	91.3
SURGERY	14398.9	6.6	213400	97.9
THORACIC SURG	23.7659	0.0	213424	97.9
UROLOGY	4545.78	2.1	217970	100.0

\*\*\* WEIGHTED \*\*\*

PHYSICIAN USUALLY PERFORMS LAB TESTS

LAB67C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	736.344	0.3	736.344	0.3
MISSING	2609.79	1.2	3346.14	1.5
REFUSAL	20.75	0.0	3366.89	1.5
VALID SKIP	152462	69.9	155829	71.5
NO	46020.3	21.1	201849	92.6
YES	16120.3	7.4	217970	100.0

SOMEONE ELSE USUALLY PERFORMS LAB TESTS

LAB67E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	712.199	0.3	712.199	0.3
MISSING	2705.7	1.2	3417.9	1.6
REFUSAL	20.75	0.0	3438.65	1.6
VALID SKIP	152462	69.9	155901	71.5
NO	57950.2	26.6	213851	98.1
OTHER(INCL WIFE)	502.328	0.2	214353	98.3
MED. AIDE, ASST.	3119.17	1.4	217473	99.8
SCRTRY,OFF. MNGR	497.194	0.2	217970	100.0

STAFF MEMBERS CERTIFIED BY ASCP

LAB68	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2132.03	1.0	2132.03	1.0
MISSING	2524.37	1.2	4656.41	2.1
REFUSAL	20.75	0.0	4677.16	2.1
VALID SKIP	152462	69.9	157139	72.1
NO	45362.9	20.8	202502	92.9
YES	15467.5	7.1	217970	100.0

WHO COMPLETED COST SECTION

INT69	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1569.77	0.7	1569.77	0.7
MISSING	7566.64	3.5	9136.41	4.2
REFUSAL	66.5703	0.0	9202.98	4.2
UNCODEABLE	81.9844	0.0	9284.96	4.3
PHYSICIAN	104939	48.1	114224	52.4
BOOKKEEPER	6960.8	3.2	121185	55.6
OFFICE MANAGER	48500.5	22.3	169685	77.8
ACCOUNTANT	6937.27	3.2	176622	81.0
RECEPTIONIST	1614.5	0.7	178237	81.8
BILLING OFFICE	1270.08	0.6	179507	82.4
PHYS. EMPLOYEE	28532.9	13.1	208040	95.4
OTHER	9929.88	4.6	217970	100.0

USE OF COST INFORMATION WORKSHEET

INT69A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2644.68	1.2	2644.68	1.2
MISSING	8626.74	4.0	11271.4	5.2
REFUSAL	98.7031	0.0	11370.1	5.2
YES	55743.4	25.6	67113.5	30.8
NO	122323	56.1	189437	86.9
PHYS. EMPLOYEE	28532.9	13.1	217970	100.0



\*\*\* WEIGHTED \*\*\*

R LAB CERTIFIED BY A STATE AGENCY

LAB66B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3430.79	1.6	3430.79	1.6
MISSING	4751.97	2.2	8182.76	3.8
REFUSAL	20.75	0.0	8203.51	3.8
VALID SKIP	152462	69.9	160666	73.7
NO	44162.8	20.3	204828	94.0
YES	13141.2	6.0	217970	100.0

R LAB CERTIFIED BY OTHR AGENCY/PROGRAM

LAB66C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3948.52	1.8	3948.52	1.8
MISSING	4964.74	2.3	8913.26	4.1
REFUSAL	20.75	0.0	8934.01	4.1
VALID SKIP	152462	69.9	161396	74.0
NO	54466.2	25.0	215862	99.0
YES(OTH UNCOD)	1096.55	0.5	216959	99.5
C.A.P.	816.917	0.4	217776	99.9
C.O.L.A.	193.797	0.1	217970	100.0

R LABORATORY NOT CERTIFIED

LAB66D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3309.2	1.5	3309.2	1.5
MISSING	4751.97	2.2	8061.17	3.7
REFUSAL	20.75	0.0	8081.92	3.7
VALID SKIP	152462	69.9	160544	73.7
NO	20815.1	9.5	181359	83.2
YES	36610.5	16.8	217970	100.0

TECHNICIAN USUALLY PERFORMS LAB TESTS

LAB67A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	712.199	0.3	712.199	0.3
MISSING	2609.79	1.2	3321.99	1.5
REFUSAL	20.75	0.0	3342.74	1.5
VALID SKIP	152462	69.9	155805	71.5
NO	25614.1	11.8	181419	83.2
YES	36550.7	16.8	217970	100.0

NURSE USUALLY PERFORMS LAB TESTS

LAB67B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	736.344	0.3	736.344	0.3
MISSING	2609.79	1.2	3346.14	1.5
REFUSAL	20.75	0.0	3366.89	1.5
VALID SKIP	152462	69.9	155829	71.5
NO	42042.2	19.3	197871	90.8
YES	20098.4	9.2	217970	100.0

\*\*\* WEIGHTED \*\*\*

PCT OF GROSS REV FROM LAB TEST IN OFC

LAB63	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
40	655.02	0.3	216763	99.4
45	124.758	0.1	216888	99.5
50	446.789	0.2	217335	99.7
55	110.324	0.1	217445	99.8
60	304.16	0.1	217749	99.9
63	51.168	0.0	217800	99.9
70	37.4063	0.0	217838	99.9
80	92.7734	0.0	217931	100.0
87	39.1719	0.0	217970	100.0

R LAB PARTICIPATE IN EXTERNAL TESTING

LAB64	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2130.71	1.0	2130.71	1.0
MISSING	2445.67	1.1	4576.37	2.1
REFUSAL	20.75	0.0	4597.12	2.1
VALID SKIP	152462	69.9	157059	72.1
NO	36346	16.7	193405	88.7
YES	24564.4	11.3	217970	100.0

LAB PARTICIPATES IN CAP PROGRAM

LAB65A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1171.19	0.5	1171.19	0.5
MISSING	283.168	0.1	1454.36	0.7
VALID SKIP	193405	88.7	194860	89.4
NO	10567.4	4.8	205427	94.2
YES	12542.6	5.8	217970	100.0

LAB PARTICIPATES IN OTHER PROGRAM

LAB65B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1805.27	0.8	1805.27	0.8
MISSING	706.535	0.3	2511.8	1.2
VALID SKIP	193405	88.7	195917	89.9
NO	12694.3	5.8	208611	95.7
OTHER	1606.59	0.7	210218	96.4
ST/CNTY PROGRAM	2837.22	1.3	213055	97.7
SPECLTY SOCIETY	3323.79	1.5	216379	99.3
MANUFACTURERS	1590.74	0.7	217970	100.0

R LAB CERTIFIED BY MEDICARE TITLE 18

LAB66A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3430.79	1.6	3430.79	1.6
MISSING	4751.97	2.2	8182.76	3.8
REFUSAL	20.75	0.0	8203.51	3.8
VALID SKIP	152462	69.9	160666	73.7
NO	45324.6	20.8	205990	94.5
YES	11979.3	5.5	217970	100.0

\*\*\* WEIGHTED \*\*\*

R SHARE OF HISTOLOGY EQUIPMENT COSTS

LA858D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	31.6797	0.0	31.6797	0.0
VALID SKIP	217845	99.9	217877	100.0
33	92.543	0.0	217970	100.0

HISTOLOGY EQUIPMENT MAINTENANCE COSTS

LA8590	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	120.336	0.1	120.336	0.1
DONT KNOW	2068.65	0.9	2188.99	1.0
MISSING	671.417	0.3	2860.41	1.3
REFUSAL	100.93	0.0	2961.34	1.4
VALID SKIP	212189	97.3	215150	98.7
NO MAINT. COST	1312.18	0.6	216463	99.3
VALID VALUES	1507.18	0.7	217970	100.0

# OF HISTOLOGY TESTS PERFORMED

LA8600	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1918.04	0.9	1918.04	0.9
MISSING	460.655	0.2	2378.69	1.1
REFUSAL	100.93	0.0	2479.62	1.1
VALID SKIP	212127	97.3	214607	98.5
NONE	349.789	0.2	214957	98.6
VALID VALUES	3013	1.4	217970	100.0

PCT OF GROSS REV FROM LAB TEST IN OFC

LA863	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9010.72	4.1	9010.72	4.1
MISSING	2706.03	1.2	11716.8	5.4
REFUSAL	121.488	0.1	11838.2	5.4
VALID SKIP	152462	69.9	164300	75.4
0	4202.6	1.9	168503	77.3
1	8336.64	3.8	176840	81.1
2	3894.22	1.8	180734	82.9
3	2388.61	1.1	183123	84.0
4	581.117	0.3	183704	84.3
5	8732.45	4.0	192436	88.3
6	678.566	0.3	193115	88.6
7	844.949	0.4	193960	89.0
8	1300.96	0.6	195261	89.6
9	426.203	0.2	195687	89.8
10	6985.42	3.2	202672	93.0
11	208.637	0.1	202881	93.1
12	616.301	0.3	203497	93.4
13	381.742	0.2	203879	93.5
14	53.5859	0.0	203932	93.6
15	3056.25	1.4	206989	95.0
16	31.5391	0.0	207020	95.0
17	308.148	0.1	207328	95.1
18	381.105	0.2	207709	95.3
19	192.738	0.1	207902	95.4
20	2687.78	1.2	210590	96.6
22	77.3438	0.0	210667	96.6
23	100.738	0.0	210768	96.7
25	2594.29	1.2	213362	97.9
28	70.7813	0.0	213433	97.9
30	1936.79	0.9	215370	98.8
31	37.6367	0.0	215408	98.8
33	304.23	0.1	215712	99.0
35	396.316	0.2	216108	99.1

\*\*\* WEIGHTED \*\*\*

R HAS INVESTMENT IN HISTOLOGY EQUIPMENT

LAB54A0	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	506.008	0.2	506.008	0.2
MAIL QUEST.	752.812	0.3	1258.82	0.6
MISSING	4735.4	2.2	5994.22	2.8
NO	210491	96.6	216486	99.3
YES	1484.05	0.7	217970	100.0

HISTOLOGY EQUIPMENT PURCHASED

LAB5501	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	271.586	0.1	271.586	0.1
MISSING	234.594	0.1	506.18	0.2
VALIO SKIP	212189	97.3	212695	97.6
NO	285.848	0.1	212981	97.7
YES	4988.67	2.3	217970	100.0

HISTOLOGY EQUIPMENT LEASED

LAB5502	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	271.586	0.1	271.586	0.1
MISSING	234.594	0.1	506.18	0.2
VALIO SKIP	212189	97.3	212695	97.6
NO	4706.09	2.2	217401	99.7
YES	568.424	0.3	217970	100.0

HISTOLOGY EQUIPMENT RENTED

LAB5503	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	271.586	0.1	271.586	0.1
MISSING	234.594	0.1	506.18	0.2
VALIO SKIP	212189	97.3	212695	97.6
NO	5253.44	2.4	217949	100.0
YES	21.082	0.0	217970	100.0

TOTAL COST OF HISTOLOGY EQUIPMENT

LAB560	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	214.81	0.1	214.81	0.1
DONT KNOW	2473.58	1.1	2688.39	1.2
MISSING	557.651	0.3	3246.04	1.5
REFUSAL	100.93	0.0	3346.97	1.5
VALIO SKIP	212189	97.3	215536	98.9
NONE	151.906	0.1	215688	99.0
VALID VALUES	2281.82	1.0	217970	100.0

HISTOLOGY EQUIPMENT COSTS SHARED

LAB57D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	605.227	0.3	605.227	0.3
MISSING	503.774	0.2	1109	0.5
VALIO SKIP	212189	97.3	213298	97.9
NO	4547.48	2.1	217845	99.9
YES	124.223	0.1	217970	100.0



\*\*\* WEIGHTED \*\*\*

MICROBIOLOGY EQUIPMENT COSTS SHARED

LA857C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1203.39	0.6	1203.39	0.6
MISSING	2088.5	1.0	3291.89	1.5
REFUSAL	20.75	0.0	3312.64	1.5
VALIO SKIP	189536	87.0	192849	88.5
NO	23983	11.0	216832	99.5
YES	1137.85	0.5	217970	100.0

R SHARE OF MICROBIOLOGY EQUIP COSTS

LA858C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	40.5352	0.0	40.5352	0.0
MISSING	124.754	0.1	165.289	0.1
VALIO SKIP	216832	99.5	216997	99.6
25	457.41	0.2	217455	99.8
33	228.832	0.1	217683	99.9
40	74.7461	0.0	217758	99.9
50	182.387	0.1	217941	100.0
70	29.1836	0.0	217970	100.0

MICROBIOLOGY EQUIPMENT MAINTENANCE COSTS

LA859C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1318.7	0.6	1318.7	0.6
DONT KNOW	5608.46	2.6	6927.16	3.2
MISSING	1843.44	0.8	8770.6	4.0
OUT OF RANGE	65.5938	0.0	8836.19	4.1
REFUSAL	222.609	0.1	9058.8	4.2
VALIO SKIP	189536	87.0	198595	91.1
NO MAINT. COST	11001.5	5.0	209597	96.2
VALIO VALUES	8373.16	3.8	217970	100.0

# OF MICROBIOLOGY TESTS PERFORMED

LA860C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	12.3333	0.0	12.3333	0.0
OONT KNOW	3789.99	1.7	3802.32	1.7
MISSING	1360.25	0.6	5162.58	2.4
REFUSAL	121.68	0.1	5284.26	2.4
VALIO SKIP	189475	86.9	194759	89.4
NONE	1637.69	0.8	196396	90.1
VALIO VALUES	21573.2	9.9	217970	100.0

R OWNS/LEASES/RENTS HISTOLOGY EQUIPMENT

LA8540	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	283.855	0.1	283.855	0.1
MAIL QUEST.	752.812	0.3	1036.67	0.5
MISSING	1095.66	0.5	2132.33	1.0
NO	210057	96.4	212189	97.3
YES	5780.7	2.7	217970	100.0

\*\*\* WEIGHTED \*\*\*

R HAS INVESTMENT IN MICROBIOLOGY EQUIP

LAB54AC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	438.832	0.2	438.832	0.2
MAIL QUEST.	752.812	0.3	1191.64	0.5
MISSING	4467.43	2.0	5659.08	2.6
NO	209719	96.2	215378	98.8
YES	2591.98	1.2	217970	100.0

MICROBIOLOGY EQUIPMENT PURCHASED

LAB55C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	476.598	0.2	476.598	0.2
MISSING	622.037	0.3	1098.63	0.5
REFUSAL	20.75	0.0	1119.38	0.5
VALID SKIP	189536	87.0	190656	87.5
NO	1995.9	0.9	192652	88.4
YES	25318.2	11.6	217970	100.0

MICROBIOLOGY EQUIPMENT LEASED

LAB55C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	476.598	0.2	476.598	0.2
MISSING	622.037	0.3	1098.63	0.5
REFUSAL	20.75	0.0	1119.38	0.5
VALID SKIP	189536	87.0	190656	87.5
NO	25084	11.5	215740	99.0
YES	2230.03	1.0	217970	100.0

MICROBIOLOGY EQUIPMENT RENTED

LAB55C3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	476.598	0.2	476.598	0.2
MISSING	622.037	0.3	1098.63	0.5
REFUSAL	20.75	0.0	1119.38	0.5
VALID SKIP	189536	87.0	190656	87.5
NO	27125.9	12.4	217782	99.9
YES	188.176	0.1	217970	100.0

TOTAL COST OF MICROBIOLOGY EQUIPMENT

LAB56C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1660.87	0.8	1660.87	0.8
DONT KNOW	8637.6	4.0	10298.5	4.7
MISSING	1786.26	0.8	12084.7	5.5
OUT OF RANGE	74.7461	0.0	12159.5	5.6
REFUSAL	436.051	0.2	12595.5	5.8
UNCODEABLE	100.738	0.0	12696.3	5.8
VALID SKIP	189536	87.0	202233	92.8
NONE	697.855	0.3	202930	93.1
VALID VALUES	15039.3	6.9	217970	100.0

\*\*\* WEIGHTED \*\*\*

PRACTICE PERFORMS MULTICHANNEL TESTS

LAB62B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1117.68	0.5	1117.68	0.5
MISSING	1597.89	0.7	2715.56	1.2
REFUSAL	20.75	0.0	2736.31	1.3
VALID SKIP	167688	76.9	170424	78.2
NO	33534.1	15.4	203958	93.6
YES	14011.2	6.4	217970	100.0

# DIFFERENT MULTICHANNEL TESTS PERFORMED

LAB62BA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2298.3	1.1	2298.3	1.1
MISSING	795.815	0.4	3094.11	1.4
OUT OF RANGE	302.125	0.1	3396.24	1.6
VALID SKIP	203958	93.6	207355	95.1
1	215.391	0.1	207570	95.2
2	273.407	0.1	207843	95.4
3	604.969	0.3	208448	95.6
4	830.727	0.4	209279	96.0
5	784.454	0.4	210064	96.4
6	1062.38	0.5	211126	96.9
7	807.611	0.4	211934	97.2
8	1163.66	0.5	213097	97.8
9	235.094	0.1	213332	97.9
10	1310.8	0.6	214643	98.5
11	136.063	0.1	214779	98.5
12	650.926	0.3	215430	98.8
13	114.086	0.1	215544	98.9
14	362.465	0.2	215907	99.1
15	476.615	0.2	216383	99.3
16	110.102	0.1	216493	99.3
18	156.07	0.1	216650	99.4
20	702.215	0.3	217352	99.7
21	21.875	0.0	217374	99.7
24	196.043	0.1	217570	99.8
25	192.758	0.1	217762	99.9
26	17.5586	0.0	217780	99.9
30	189.727	0.1	217970	100.0

MULTICHANNEL TESTS PERFORMED DISCRETELY

LAB62BB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	906.677	0.4	906.677	0.4
MISSING	14.7642	0.0	921.441	0.4
VALID SKIP	203958	93.6	204880	94.0
DISCRETELY	6915.47	3.2	211795	97.2
COMBINATIONS	6174.33	2.8	217970	100.0

R OWNS/LEASES/RENTS/MICROBIOLOGY EQUIP

LAB54C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	216.68	0.1	216.68	0.1
MAIL QUEST.	752.812	0.3	969.491	0.4
MISSING	873.059	0.4	1842.55	0.8
NO	187694	86.1	189536	87.0
YES	28433.4	13.0	217970	100.0

VALUE FM35X

1=' \$100K'  
2=' \$200K'  
3=' \$300K'  
4=' \$500K'  
5=' \$1MIL'  
6=' \$3MIL'  
7=' OTHER'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FM36X

1=' \$300K'  
2=' \$500K'  
3=' \$600K'  
4=' \$1MIL'  
5=' \$3MIL'  
6=' \$5MIL'  
7=' OTHER'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FM37A

1=' < \$1MIL'  
2=' \$1MIL - < \$3MIL'  
3=' \$3MIL - < \$5MIL'  
4=' \$5MIL - < \$10MIL'  
5=' \$10MIL - < \$15ML'  
6=' \$15MIL - < \$20ML'  
7=' \$20MIL +'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FBX21B

1='COMBINED'  
2='SEPARATELY'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';



VALUE FC20X  
1='OFFICE IN HOME'  
2='FREE FROM HOSP.'  
3='BLDG PAID OFF'  
4='BLDG DEPRECIATED'  
5='OTHER'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FI29B  
1='< \$30K'  
2='\$30K - < \$40K'  
3='\$40K - < \$50K'  
4='\$50K - < \$60K'  
5='\$60K - < \$70K'  
6='\$70K - < \$80K'  
7='\$80K - < \$90K'  
8='\$90K - < \$100K'  
9='\$100K - < \$120K'  
10='\$120K - < \$140K'  
11='\$140K - < \$160K'  
12='\$160K - < \$200K'  
13='\$160K - < \$250K'  
14='\$250K - < \$300K'  
15='\$300K - < \$350K'  
16='\$350K - < \$400K'  
17='\$400K - < \$450K'  
18='\$450K - < \$500K'  
19='\$500K +'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FM34X  
1='HOSP. COVERAGE'  
2='NOT INSURED'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FM34A  
1='NEVER INSURED'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FYN

1='YES'  
2='NO'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FNUMB

.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE F9D

1='AVERAGE'  
2='MORE'  
3='LESS'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FC19X

1='RENT'  
2='OWN'  
3='BOTH'  
5='NEITHER'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FC19C

1='UTILITIES/TELE'  
2='UTILITIES ONLY'  
3='TELEPHONE ONLY'  
4='NEITHER'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FDIV

1='NEW ENGLAND'  
2='MID ATLANTIC'  
3='E. N. CENTRAL'  
4='W. N. CENTRAL'  
5='SOUTH ATLANTIC'  
6='E. S. CENTRAL'  
7='W. S. CENTRAL'  
8='MOUNTAIN'  
9='PACIFIC'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FREG

1='NORTHEAST'  
2='MIDWEST'  
3='SOUTH'  
4='WEST'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FSMASIZ

1='NON SMSA'  
2='SMALL SMSA'  
3='LARGE SMSA'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FSMSA

0='NON SMSA'  
1='SMSA'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE F7C

1='UNINC SOLO PROP'  
2='PARTNERSHIP'  
3='CORPORATION'  
4='OTHER'  
5='PROF. ASSOC.'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE F10F

1='DISCRETELY'  
2='COMBINATIONS'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE F11F

0='NO'  
2='OTHER'  
3='ST/CNTY PROGRAM'  
4='SPECLTY SOCIETY'  
5='MANUFACTURERS'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE F12F

0='NO'  
3='YES(OTH UNCOD)'  
5='C.A.P.'  
6='C.O.L.A.'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE F13F

0='NO'  
5='OTHER(INCL WIFE)'  
6='MED. AIDE, ASST.'  
7='SCRTRY,OFF. MNGR'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';



----SAS FORMATS FOR FORMATEO FREQUENCIES----

PROC FORMAT;

VALUE F1F

0='NO'  
1='YES'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='OONT KNOW'  
.M='MISSING'  
.Z='DIONT PERFORM'  
.= 'VALIO SKIP';

VALUE NUMB

.P='MAIL QUEST.'  
.C='COMBINEO'  
.U='UNCOOEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='OONT KNOW'  
.M='MISSING'  
.Z='OIONT PERFORM'  
.= 'VALIO SKIP';

VALUE F1VV

0='NONE'  
1-HIGH='VALIO VALUES'  
.P='MAIL QUEST.'  
.C='COMBINEO'  
.U='UNCOOEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.O='DONT KNOW'  
.M='MISSING'  
.Z='DIONT PERFORM'  
.= 'VALIO SKIP';

VALUE \$F1O

LOW-HIGH='VALID VALUES';

VALUE FC19F

0='NONE'  
0.01-HIGH='VALID VALUES'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='OONT KNOW'  
.M='MISSING'  
.Z='DIONT PERFORM'  
.= 'VALID SKIP';

VALUE FOVV

0='NO MAINT. COST'  
1-HIGH='VALIO VALUES'  
.P='MAIL QUEST.'  
.C='COMBINEO'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='OIONT PERFORM'  
.= 'VALID SKIP';

APPENDIX III-F  
*FORMATS FOR  
FORMATTED FREQUENCIES*



General Linear Models Procedure

Dependent Variable: LRATIOC

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	5247.85464938	308.69733232	328.46	0.0
Error	3008	2826.99080272	0.93982407		
Corrected Total	3025	8074.84545211			

R-Square	C.V.	Root MSE	LRATIOC Mean
0.649902	-32.26768	0.96944524	-3.00438462

Source	DF	Type I SS	Mean Square	F Value	Pr > F
STRATUM	13	6187.60592133	399.04660933	424.60	0.0
AGE	1	35.34060013	35.34060013	37.60	0.0001
AGE2	1	10.43809676	10.43809676	11.11	0.0009
BOARD	1	5.52410629	5.52410629	5.88	0.0154
SOLO	1	8.94592487	8.94592487	9.52	0.0021

Source	DF	Type III SS	Mean Square	F Value	Pr > F
STRATUM	13	4782.77389961	367.90568459	391.46	0.0
AGE	1	6.08023045	6.08023045	6.47	0.0110
AGE2	1	9.88289980	9.88289980	10.52	0.0012
BOARD	1	3.67604370	3.67604370	3.91	0.0481
SOLO	1	8.94592487	8.94592487	9.52	0.0021

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	-2.322934099	-6.81	0.0001	0.34100365
CAR	-1.585907957	-14.47	0.0001	0.10961028
CTS	0.753532354	17.15	0.0001	0.10540964
GAS	-1.111032495	-10.20	0.0001	0.10887917
GFP	-2.255873107	-25.93	0.0001	0.08659258
GUS	0.376672970	3.84	0.0001	0.09798159
YMO	-2.693260618	-30.30	0.0001	0.08888528
YMD	-0.002375909	-0.99	0.3228	0.09341208
ORG	-2.940374900	-28.37	0.0001	0.09212409
UPH	-0.700901500	-6.76	0.0001	0.10361609
OPH	0.132736914	1.24	0.2166	0.10741423
ORS	-2.716051363	-24.38	0.0001	0.11139581
OSP	0.139211663	1.29	0.1958	0.10294913
OSU	-2.842175681	-28.41	0.0001	0.10004571
PSY	0.000000000	0.00	0.9999	0.10004571
URO	0.034498641	2.54	0.0110	0.01356326
AGE	-0.000434232	-3.24	0.0012	0.00013391
BOARD	0.085201923	1.98	0.0481	0.04308066
SOLO	0.114239356	-3.09	0.0021	0.03702767



General Linear Models Procedure

Dependent Variable: LRATIO0			
Source	DF		
Model	17		
Error	2990		
Corrected Total	3007		
R-Square	0.218426		
C.V.			
Sum of Squares	Mean Square	F Value	Pr > F
1326.76248320	78.04485195	49.15	0.0001
4747.42999325	1.58776923		
6074.19247645			
Root MSE	1.26006715		
LRATIO0 Mean			
--2.55781691			

Source	Type I SS	Mean Square	F Value	Pr > F
STRATUM	1258.47630437	96.80579264	60.97	0.0001
AGE	38.88820674	24.49	1.18	0.0001
AGE2	5.28795415	3.33	2.05	0.0681
BOARD	16.70904119	10.52	6.47	0.0012
SOLO	7.40197676	4.66	4.66	0.0309
Source	Type III SS	Mean Square	F Value	Pr > F
STRATUM	1246.74068893	95.82620684	60.35	0.0001
AGE	1.86567608	1.18	1.18	0.2785
AGE2	4.20963996	2.65	1.63	0.1036
BOARD	13.44846594	8.47	5.12	0.0036
SOLO	7.40197676	4.66	4.66	0.0309

Parameter	Estimate	T for H0: Parameter=0	Pr >  t	Std Error of Estimate
INTRCEPT	-2.437529709	-5.48	0.0001	0.4441761
STRATUM	0.380873384	2.66	0.0077	0.1429379
C15	0.318696088	0.69	0.4939	0.4614328
GAS	0.096582820	0.69	0.4939	0.14115052
GFP	-0.561237865	-4.96	0.0001	0.1132924
GSU	0.083918231	0.66	0.5125	0.12810377
IMO	0.191213687	1.65	0.0990	0.11685247
ORG	-0.521788107	-4.27	0.0001	0.12210177
OMD	-0.457614650	-3.81	0.0001	0.12002975
OPH	-2.212894271	-16.36	0.0001	0.13525971
OPS	-0.683946759	-4.88	0.0001	0.14003815
OSP	-1.620538698	-11.16	0.0001	0.14525004
USU	-0.754051309	-5.59	0.0001	0.13479036
PSY	-0.865576067	-6.65	0.0001	0.13008137
URD	0.000000000	0.00	0.9999	0.01767096
AGE	0.019155108	1.08	0.2785	0.00017444
AGE2	-0.000284041	-1.63	0.1036	0.05610180
BOARD	0.163274907	2.91	0.0036	0.04829469
SOLO	-0.104274839	-2.16	0.0309	0.04829469

General Linear Models Procedure

Dependent Variable: LRATIOE

Source	Df	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	58.28671325	3.42863019	3.65	0.0001
Error	3004	2822.76366630	0.939666033		
Corrected Total	3021	2881.05037955			
R-Square		C.V.	Root MSE		LRATIOE Mean
0.20231		-23.30988	0.96946491		-4.15860033

Source	Df	Type III SS	Mean Square	F Value	Pr > F
STRATUM	13	52.00394106	4.00030316	4.26	0.0001
AGE	1	0.30215588	0.30215588	0.32	0.5707
AGE2	1	0.70032260	0.70032260	0.75	0.3886
BOARD	1	2.31438719	2.31438719	2.46	0.1167
SOLO	1	2.96550652	2.96550652	3.16	0.0757
Source	Df <th>Type III SS</th> <th>Mean Square</th> <th>F Value</th> <th>Pr &gt; F</th>	Type III SS	Mean Square	F Value	Pr > F
STRATUM	13	51.74742130	3.98057087	4.24	0.0001
AGE	1	0.27230310	0.27230310	0.29	0.5904
AGE2	1	0.36537916	0.36537916	0.39	0.5340
BOARD	1	3.05381319	3.05381319	3.25	0.0715
SOLO	1	2.96550652	2.96550652	3.16	0.0757

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCPT	-4.370461101	-12.66	0.0001	0.34530961
STRATUM	0.252341951	2.31	0.0212	0.10946450
CAS	-0.072709978	-0.69	0.4898	0.10527294
GAS	0.057896392	0.53	0.5930	0.10832065
GIP	0.053412337	0.62	0.5382	0.08675703
GSU	-0.155168743	-1.59	0.1128	0.0781532
IMN	0.088428744	1.00	0.3192	0.0876420
ONG	-0.168225364	-1.80	0.0718	0.09339653
QMD	-0.099553530	-1.08	0.2791	0.09196044
OPH	0.178797555	1.72	0.0850	0.10378037
QPS	-0.256912222	-2.39	0.0169	0.10746170
QSP	-0.148409058	-1.33	0.1823	0.1125552
GSU	-0.114877958	-1.11	0.2653	0.10310864
PSY	0.162684347	1.63	0.1034	0.09986947
URO	0.080000000	0.54	0.5904	0.1376146
AGE	0.007408845	0.02	0.8830	0.0013611
AGE2	-0.000884874	-1.00	0.3330	0.0013611
BOARD	0.075866803	0.62	0.5340	0.04303814
SOLO	0.065836576	1.78	0.0715	0.03705747

FOR THE 1235 IMPUTATIONS OF WHICH 1235 WERE NON-MISSING

General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	20	24204.80774235	1210.24038712	9.73	0.0001
Error	1539	191359.03584739	124.33985435		
Corrected Total	1559	215563.84358974			
R-Square		C.V.	Root MSE		
	0.112286	120.8169	11.15077819		

Source	DF	Type I SS	Mean Square	F Value	Pr > F
PRO10CSM*STRATUM	14	21200.35902118	1514.31135866	12.18	0.0001
PRO10CSM*AGE	1	4.08462038	4.08462038	0.03	0.8562
PRO10CSM*SEX	1	9.59711246	9.59711246	0.08	0.7812
PRO10CSM*BOARD	1	172.03881111	172.03881111	1.38	0.2397
PRO10CSM*SOLO	1	30.65771684	30.65771684	0.25	0.6196
PRO10CSM*SMSA	1	215.48600815	215.48600815	1.73	0.1882
SQPRD10C	1	2572.58445224	2572.58445224	20.69	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
PRO10CSM*STRATUM	13	7099.17628896	546.09048377	4.39	0.0001
PRO10CSM*AGE	1	36.04288078	36.04288078	0.29	0.5904
PRO10CSM*SEX	1	0.46233586	0.46233586	0.00	0.9514
PRO10CSM*BOARD	1	279.86655235	279.86655235	2.25	0.1337
PRO10CSM*SOLO	1	94.87355794	94.87355794	0.76	0.3825
PRO10CSM*SMSA	1	98.28373720	98.28373720	0.79	0.3741
SQPRD10C	1	2572.58445224	2572.58445224	20.69	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	3.060094020	4.74	0.0001	0.64547279
PRO10CSM*STRATUM CAR	0.433023926	2.86	0.0043	0.15144912
CTS	0.380886872	2.90	0.0037	0.13119713
GAS	0.892245247	6.29	0.0001	0.14188578
GFP	0.535327356	3.03	0.0025	0.17683792
GSU	0.525799621	3.97	0.0001	0.13237958
IMD	0.525799621	3.48	0.0005	0.26105524
OBG	0.469196101	3.60	0.0003	0.13044481
OMD	0.366166654	1.32	0.1867	0.27717826
OPH	0.556557587	3.36	0.0008	0.16571090
ORS	0.438735458	3.37	0.0008	0.13007021
OSP	0.206430152	0.74	0.4602	0.27942896
PSY	0.457896848	3.47	0.0005	0.13203003
PSU	-0.094937778	-0.01	0.9932	11.16993759
URO	0.599171139	4.40	0.0001	0.13623758
PRO10CSM*AGE	-0.000894288	-0.54	0.5904	0.001666101

FOR THE 142 IMPUTATIONS OF WHICH 142 WERE NON-MISSING

General linear Models Procedure

Dependent Variables: PRO11B  
 Source OF Sum of Squares Mean Square F Value Pr > F  
 Model 20 1307662.19903132 65383.10995157 183.02 0.0  
 Error 1803 644115.40623184 357.24648155  
 Corrected Total 1823 1951777.60526316

PRO11B Mean  
 16.19078947

Root MSE  
 18.90096510

C.V.  
 116.7390

Source	Type I SS	Mean Square	F Value	Pr > F
PRO108SM*STRATUM	1297987.46495165	92713.39035369	259.52	0.0
PRO108SM*AGE	1443.94273121	1443.94273121	4.06	0.0441
PRO108SM*SEX	1146.43941894	1146.43941894	3.21	0.0734
PRO108SM*BOARD	3190.24728900	3190.24728900	8.93	0.0028
PRO108SM*SOLO	61.51328265	61.51328265	0.14	0.7042
PRO108SM*SMSA	205.55289781	205.55289781	0.58	0.4482
SQPRO108	3631.03845004	3631.03845004	10.16	0.0015
Source	Type III SS	Mean Square	F Value	Pr > F
PRO108SM*STRATUM	329924.14392989	25378.78030230	71.04	0.0001
PRO108SM*AGE	1950.59439532	1950.59439532	5.46	0.0196
PRO108SM*SEX	1100.68451975	1100.68451975	3.08	0.0784
PRO108SM*BOARD	4011.86983391	4011.86983391	11.23	0.0009
PRO108SM*SOLO	23.71106227	23.71106227	0.07	0.7967
PRO108SM*SMSA	281.90919270	281.90919270	0.79	0.3745
SQPRO108	3631.03845004	3631.03845004	10.16	0.0015

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	2.646538958	3.74	0.0002	0.70682144
PRO108SM*STRATUM	0.946804821	4.25	0.0001	0.22254167
CMS	0.292404760	3.88	0.0001	0.24566542
GFS	1.216308380	5.71	0.0001	0.21245134
GFP	1.589278727	7.16	0.0001	0.22082758
GSP	0.747360004	3.32	0.0009	0.22490781
INS	0.994570836	4.49	0.0001	0.22133899
INSB	0.65382492	2.87	0.0041	0.22830003
INSO	1.496167836	6.77	0.0001	0.21636266
INSH	1.187226976	5.31	0.0001	0.42874015
INSR	1.288815636	5.31	0.0001	0.24263166
OSP	3.020737402	15.36	0.0001	0.19661125
OSQ	1.045607919	4.15	0.0001	0.2509118
OSU	1.204892159	4.82	0.0001	0.2497798
PSY	0.691008519	2.57	0.0102	0.26871657
URO	-0.007523067	-2.34	0.0196	0.00321955



SAS

General Linear Models Procedure

Dependent Variable: PRD11C1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	99930.83587034	7137.91684788	327.24	0.0
Error	1485	32391.31012966	21.81233005		
Corrected Total	1499	132322.14600000			
R-Square		C.V.	Root MSE		PRD11C1 Mean
0.755209		106.2897	4.67036723		4.394000000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
PRD11C*STRATUM	14	99930.83587034	7137.91684788	327.24	0.0
Source	DF	Type III SS	Mean Square	F Value	Pr > F
PRD11C*STRATUM	14	99930.83587034	7137.91684788	327.24	0.0

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	0.6153408575	3.65	0.0004	0.17355149
PRD11C*STRATUM	0.1550441144	2.17	0.0305	0.07159502
CAR	0.0419374048	1.19	0.2356	0.03534806
CTS	0.5944251804	20.71	0.0001	0.02870865
GAS	0.9583171756	59.79	0.0001	0.01602737
GFP	0.3651934513	13.64	0.0001	0.02696734
GSU	0.7829920535	10.39	0.0001	0.07539468
IMO	0.3049868547	15.98	0.0001	0.01908233
O8G	0.6502331731	6.67	0.0001	0.09752346
OMD	0.8542514979	17.61	0.0001	0.04879194
OPH	0.2552299167	8.19	0.0001	0.03117150
ORS	0.2740083071	0.74	0.4606	0.37128411
OSP	0.4870772417	14.72	0.0001	0.03308026
OSU	-2.051136192	-0.13	0.8953	1.55786357
PSY	0.3104042152	12.64	0.0001	0.02456132
URO				

FOR THE 1235 IMPUTATIONS OF WHICH 1235 WERE NON-MISSING  
 General Linear Models Procedure

Dependent Variable: PRD11C

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
PRD10CSM*SEX	0	0.06	0.9514	0.08574814
PRD10CSM*BOARD	1	1.50	0.1337	0.04408857
PRD10CSM*SOLO	0	-0.87	0.3825	0.02993057
PRD10CSM*SMSA	1	0.89	0.3741	0.03796410
SQPRD10C		-4.55	0.0001	0.00105292

NOTE: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimates followed by the letter 'B' are biased, and are not unique estimators of the parameters.

General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	32	10887260.71403060	340226.89731346	608.00	0.0
Error	3440	1924966.92835349	559.58340941		
Corrected Total	3472	12812227.64238410			
R-Square					
		C.V.	Root MSE		SIZ14 Mean
	0.849755	134.8936	23.65551541		17.53642384

Source	DF	Type I SS	Mean Square	F Value	Pr > F
MDREP*STRATUM	16	10091746.83186260	630734.17599141	1127.15	0.0
SQMOREP*STRATUM	16	795513.88216798	49719.61763550	88.85	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
MDREP*STRATUM	16	1725937.68526382	107814.85532899	192.67	0.0
SQMOREP*STRATUM	16	795513.88216798	49719.61763550	88.85	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	-1.974738943	-3.90	0.0001	0.50602297
ANS	0.816911614	3.90	0.0001	0.20941646
CAR	4.391436359	11.47	0.0001	0.38286129
CTS	0.772938144	2.15	0.0315	0.35923402
GAS	3.709279337	9.58	0.0001	0.38726412
GFP	6.332908736	20.38	0.0001	0.31072711
GSH	4.224478205	20.06	0.0001	0.21062786
IMG	3.435211808	14.76	0.0001	0.23281219
OM6	4.623286501	13.76	0.0001	0.33592228
OM0	1.827026432	15.33	0.0001	0.11918819
OPH	6.587193031	17.03	0.0001	0.38673539
ORS	4.481995534	13.04	0.0001	0.34364973
OSP	1.746687696	9.15	0.0001	0.19084537
OSU	5.434357827	9.56	0.0001	0.56837911
PSY	4.016328051	2.60	0.0095	1.54719046
RA0	4.203089155	27.63	0.0001	0.15212193
UN0	5.514365255	28.43	0.0001	0.19748230
ANS	0.018189327	13.26	0.0001	0.00137158
CAR	-0.010094709	-2.51	0.0172	0.00407403
CTS	0.038418496	10.50	0.0001	0.00365942
GAS	0.002776835	0.40	0.6885	0.00692644
GFP	-0.044172578	-10.74	0.0001	0.00411129
GSH	0.001051430	0.96	0.3375	0.00109617
IMG	0.025262294	6.34	0.0001	0.00398576
OM0	0.001425130	0.23	0.8155	0.00610625
OM6	0.008329652	15.93	0.0001	0.00052294

FOR THE 1499 IMPUTATIONS OF WHICH 1499 WERE NON-MISSING

General Linear Models Procedure

Dependent Variable: PRO11D	DF	Sum of Squares	Mean Square	F Value	Pr > F
Source	20	905364.99032782	45268.24951639	59.01	0.0001
Model	2122	1627770.92847759	767.09280324		
Error	2142	2533135.91880541			
Corrected Total			Root MSE		
R-Square			27.696644026		
C.V.					
PRO11D Mean					
32.19925338					

Source	DF	Type I SS	Mean Square	F Value	Pr > F
PRO10DSM*STRATUM	14	818245.49400940	58446.10671496	76.19	0.0001
PRO10DSM*AGE	1	11548.41008770	11548.41008770	15.05	0.0001
PRO10DSM*SEX	1	573.42558052	573.42558052	0.75	0.3874
PRO10DSM*BOARD	1	6494.11525971	6494.11525971	8.47	0.0037
PRO10DSM*SDLO	1	15795.45032764	15795.45032764	20.59	0.0001
PRO10DSM*SMSA	1	11517.41927370	11517.41927370	15.01	0.0001
SQPRD10D	1	41130.67578915	41130.67578915	53.70	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
PRO10DSM*STRATUM	13	46172.26238943	3551.71249149	4.63	0.0001
PRO10DSM*AGE	1	7754.68856111	7754.68856111	10.11	0.0015
PRO10DSM*SEX	1	5.92824230	5.92824230	0.01	0.9300
PRO10DSM*BOARD	1	2460.53300362	2460.53300362	3.21	0.0734
PRO10DSM*SDLO	1	19073.62678546	19073.62678546	24.86	0.0001
PRO10DSM*SMSA	1	9835.32564118	9835.32564118	12.82	0.0004
SQPRD10D	1	41130.67578915	41130.67578915	53.70	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	5.438752002	4.29	0.0001	1.26870090
PRO10DSM*STRATUM	3.275020601	10.92	0.0001	0.29993426
CAR	3.132924826	9.77	0.0001	0.32054863
GAS	3.329834724	10.67	0.0001	0.31197413
GFP	2.765817235	18.81	0.0001	0.13999556
GSU	3.385840107	10.48	0.0001	0.32298694
IMD	3.230369196	11.34	0.0001	0.28492952
DBG	2.424169747	6.64	0.0001	0.36511792
OMD	3.493545947	11.69	0.0001	0.29875078
DPH	1.395237488	1.52	0.1275	0.91523237
DRS	4.283386493	10.47	0.0001	0.40895180
OSU	3.439492840	9.31	0.0001	0.36933335
PSY	3.32644862	8.99	0.0001	0.35941742
URO	2.318496489	9.32	0.0001	0.251328763
PRO10DSM*AGE	2.894573612	8.50	0.0001	0.34059730
	-0.013568559	-3.18	0.0015	0.00426752



Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	4656889424321.2000000	2739346730842.4200000	28.70	0.0001
Error	2256	215311574511290.	95439527708.9055000		
Uncorrected Total	2273	261880468935612.			
R-Square			Root MSE		
0.135078			308932.88544424		
		C.V.			
		409.3994			

COS16A Mean  
75450.02551694

Source	DF	Type I SS	Mean Square	F Value	Pr > F
COS16*SCR70	2	32127756743075.7000000	16063878371537.8000000	168.31	0.0001
COS16*SP2*COSRX9A4	15	14441137681245.4000000	962742512083.0290000	10.09	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
COS16*SCR70	1	1320409999974.9900000	1320409999974.9900000	13.84	0.0002
COS16*SP2*COS8X9A4	15	14441137681245.4000000	962742512083.0310000	10.09	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
COS16*SCR70	0.2793211036 R	9.44	0.0001	0.02957407
COS16*SP2*COSRX9A4	0.2429415841 R	8.56	0.0001	0.02838162
	-.1904234113 R	-6.43	0.0001	0.02960874
	0.0394751713 B	-7.15	0.0001	0.04224449
	-.2073557632 R	-0.05	0.9597	0.02898893
	0.0079557652 R	-5.91	0.0001	0.15746073
	-.2246742063 R	-2.03	0.0427	0.03799483
	-.2724309837 B	-6.97	0.0001	0.13432630
	-.1831672574 B	-0.15	0.8775	0.03156985
	-.2359484074 R	-7.29	0.0001	1.18857139
	-.2298238105 B	-0.13	0.8936	0.03238704
	-.1592360527 B	-5.35	0.0001	1.71853820
	-.0035420293 B	-0.06	0.9520	0.02977041
	-.1755948029 R	-4.76	0.0001	0.05883151
	-.1466740320 B	-0.54	0.5893	0.03687632
	-.1749590565 R	-5.86	0.0001	0.27166416
	0.0000000000 B		0.0001	0.02986239

X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimated by the letter 'B' are biased, and are not unique estimators of the parameters.

General Linear Models Procedure

Dependent Variable: SIZ14

Parameter	Estimate	t for H0: Parameter=0	Pr >  t	Std Error of Estimate
CONTRAST	-0.026471495	-6.68	0.0001	0.00396370
ORS	-0.002451055	0.49	0.6271	0.00501554
OSP	-0.006177286	-5.94	0.0001	0.00103916
OSU	-0.009218921	-0.83	0.4068	0.01111205
P.V	-0.232233845	-1.31	0.1910	0.17757904
RAD	-0.006158070	-7.56	0.0001	0.00081413
URD	-0.022265023	-23.58	0.0001	0.000944443

Source	DF	Sum of Squares	Mean Square	F Value	Pr >
Model	8	1590169415012.17000000	198771176876.52200000	803.65	0.0
Error	2834	700951763259.82100000	247336543.14037400		
Uncorrected Total	2842	2291121178272.00000000			
R-Square		C.V.	Root MSE		
	0.689453	454.9039	15726.93666451		0.05178 MSE
					3457.199659

Source	DF	Type I SS	Mean Square	F Value	Pr >
COS16R*RATHD*SPI	8	1590169415012.17000000	198771176876.52200000	803.65	0.0
Source	DF	Type III SS	Mean Square	F Value	Pr >
COS16R*RATHD*SPI	8	1590169415012.17000000	198771176876.52200000	803.65	0.0

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
1	0.982800037	10.56	0.0001	0.09308742
2	0.401827226	13.58	0.0001	0.02957806
3	0.610442620	20.02	0.0001	0.03049002
4	0.923449287	66.62	0.0001	0.01398732
5	0.229774549	1.87	0.0620	0.12308263
6	0.555959810	17.80	0.0001	0.03122842
7	0.758083766	2.44	0.0146	0.31022934
8	1.721007079	32.36	0.0001	0.05318217

WHERE MDREP IS RESTRICTED TO > 1  
 General Linear Models Procedure

Dependent Variable: COS16

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
MDREP*SP4	69444.7714	1.73	0.0837	40109.93712
	140222.6767	40.43	0.0001	3468.50640
	101744.7564	42.68	0.0001	2383.78060
	104443.4770	14.00	0.0001	7462.15304
	184161.8073	36.03	0.0001	5111.10889
	217385.6757	12.33	0.0001	17626.94416

The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Est; followed by the letter 'B' are biased, and are not unique estimators of the parameters.



General Linear Models Procedure

Dependent Variable: COS18B

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	195555405287998.	11503259134588.100000	2397.18	0.0
Error	2568	12322984101324.700000	4798669821.388120		
Corrected Total	2585	207878389389323.			

COS18B Mean  
52735.01546790

C.V.  
131.3595  
69272.43190035

Source	DF	Type I SS	Mean Square	F Value	Pr > F
COS18*SCR7D	2	186415687748617.	93207843874308.700000	19023.68	0.0
COS18*SP2	7	4622573064508.580000	660367580554.083000	137.61	0.0001
COS18__2*SP2	8	4517144474872.510000	564643059359.063000	117.67	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
COS18*SCR7D	1	4982719110.54430000	4982719110.54430000	1.04	0.3083
COS18*SP2	7	1080632509875.52000000	154376071553.64600000	32.17	0.0001
COS18__2*SP2	8	4517144474872.50000000	564643059359.06300000	117.67	0.0001

Std Error of Estimate

Pr > |T|

T for H0:  
Parameter=0

Parameter	Estimate	Pr >  T	Std Error of Estimate
INTERCEPT	-3613.383785	0.0175	1519.5443557
COS18*SCR7D	0.203430	0.0001	0.00890071
COS18*SP2	0.203171	0.0001	0.00840581
	-0.063000	0.0001	0.0120859
	-0.055762	0.0001	0.00906102
	-0.067335	0.0397	0.03272121
	-0.048766	0.0009	0.01462812
	-0.112422	0.0003	0.03095926
	0.054863	0.0001	0.01102150
	-0.019873	0.3156	0.01980029
	0.000000	0.0226	0.00180000
COS18__2*SP2	0.004106	0.0001	0.00014340
	0.004055	0.1382	0.00957578
	0.014200	0.5330	0.00102626
	0.006640	0.0001	0.00348255
	0.013731	0.0001	0.00074588
	-0.007384	0.0758	0.00365168
	-0.006486	0.6348	0.00145970
	-0.000693		

The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Esti followed by the letter 'B' are biased, and are not unique estimators of the parameters.

General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	160164939019085.	9421467001122.670000	432.92	0.0
Error	2311	50293606487635.600000	21762702937.098900		
Corrected Total	2328	210458545506721.			
R-Square = 0.747164					
C.V. = 147521.87274130					
Root MSE = 147521.87274130					

COS16B Mean  
70408.19201031

Source	DF	Type I SS	Mean Square	F Value	Pr > F
COS16*SCR7D	2	132072890434300.	66036445217150.300000	3034.39	0.0
COS16*SP2	7	1491760503075.500000	2131108643296.500000	97.92	0.0001
COS16_2*SP2	8	13174288081709.100000	1646786010213.640000	75.67	0.0001
Type III SS					
COS16*SCR7D	1	108251277613.1190000	108251277613.1190000	4.97	0.0258
COS16*SP2	7	2443202949054.4400000	34928992722.0630000	16.04	0.0001
COS16_2*SP2	8	13174288081709.1000000	1646786010213.6400000	75.67	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
COS16*SCR7D 0	0.0838807488	9.43	0.0001	0.00889071
COS16*SCR7D 1	0.0963665272	10.23	0.0001	0.00941671
COS16*SCR7D 2	0.0376550651	2.87	0.0041	0.01311966
COS16*SCR7D 3	-0.0511913655	-4.88	0.0001	0.01048948
COS16*SCR7D 4	-0.047861857	-1.51	0.1313	0.03163499
COS16*SCR7D 5	0.0088047548	0.69	0.4913	0.01279224
COS16*SCR7D 6	-0.0755903013	-2.33	0.0198	0.03241853
COS16*SCR7D 7	0.0207139977	1.86	0.0633	0.0114856
COS16*SCR7D 8	0.0000000000	0.80	0.4240	0.02444871
COS16_2*SP2 1	-0.0052298232	-4.83	0.0001	0.00108379
COS16_2*SP2 2	0.0055096180	21.58	0.0001	0.00025529
COS16_2*SP2 3	0.0067693080	2.10	0.0358	0.00322322
COS16_2*SP2 4	-0.0032639887	-6.40	0.0001	0.00051027
COS16_2*SP2 5	0.0120298676	6.84	0.0001	0.00175872
COS16_2*SP2 6	-0.001547870	-0.34	0.7327	0.00045313
COS16_2*SP2 7	-0.002866683	-2.32	0.0205	0.00037398
COS16_2*SP2 8	0.0040623006	3.90	0.0001	0.00104140

SIX matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimated values by the letter 'B' are biased, and are not unique estimators of the parameters.

WHERE COS19C IS RESTRICTED TO 2  
General Linear Models Procedure

Dependent Variable: COS19D

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	344387073077.19800000	114795691025.73200000	348.21	0.0001
Error	726	239344185692.91200000	329675186.90483800		
Corrected Total	729	583731258770.11100000			
R-Square		C.V.		Root MSE	
	0.589975	173.4907	18156.95973738	COS19D Mean 10465.66712329	

Source	DF	Type I SS	Mean Square	F Value	Pr > F
FTES	1	182610192457.36100000	182610192457.36100000	553.91	0.0001
OFFICE	1	142744573975.22300000	142744573975.22300000	432.99	0.0001
OFFICE2	1	190323066644.61370000	190323066644.61370000	57.73	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
FTES	1	27710089319.91710000	27710089319.91710000	84.05	0.0001
OFFICE	1	30369542450.05150000	30369542450.05150000	92.12	0.0001
OFFICE2	1	190323066644.61370000	190323066644.61370000	57.73	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	5851.734572	7.01	0.0001	834.94207846
FTES	-398.248187	-9.17	0.0001	43.43881560
OFFICE	0.154065	9.60	0.0001	0.01605196
OFFICE2	0.089913	7.60	0.0001	0.01188373

Dependent Variable: C0517A

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	192075673085.78800000	24009459135.72350000	61.75	0.0001
Error	2830	1100323153868.21000000	388805768.15131100		
Uncorrected Total	2838	1292398826954.00000000			
R-Square		C.V.	Root MSE		
	0.141067	985.3845	19718.18369301		C0517A Mean 0.001 - 0.6483439

Source	DF	Type I SS	Mean Square	F Value	Pr > F
C0516A*RATMD*SP1	8	192075673085.78800000	24009459135.72350000	61.75	0.0001
Error	8	192075673085.78800000	24009459135.72350000	61.75	0.0001

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
1	0.2302051120	1.03	0.3043	0.22404672
2	0.1221271484	1.65	0.0991	0.07408607
3	0.5287383709	18.21	0.0001	0.02902979
4	0.0485387363	6.89	0.0001	0.00700579
5	0.2387889873	1.06	0.2898	0.22552989
6	0.2457433291	10.48	0.0001	0.02335109
7	0.0296126603	0.13	0.8989	0.23304145
8	0.0164238529	0.31	0.7537	0.05234772



WHERE COS19C IS RESTRICTED TO 4  
General Linear Models Procedure

Dependent Variable: COS19D		Sum of Squares	Mean Square	F Value	Pr >
Source	DF				
Model	3	12181029728984.80000000	4060343242994.93000000	3520.89	0.00
Error	1976	2278752494942.75000000	1153214825.37588000		
Corrected Total	1979	14459782223927.50000000			
R-Square		C.V.	Root MSE		
	0.842408		33959.01684937		25675.2888938

Source	DF	Type I SS	Mean Square	F Value	Pr >
FTES	1	12008929215829.90000000	12008929215829.90000000	10413.44	0.00
OFFICE	1	159835217085.09700000	159835217085.09700000	138.60	0.00
OFFICE2	1	12265296069.74900000	12265296069.74900000	10.64	0.00
Source	DF	Type III SS	Mean Square	F Value	Pr >
FTES	1	2009911118518.42000000	2009911118518.42000000	1742.88	0.00
OFFICE	1	164648008625.26500000	164648008625.26500000	142.77	0.00
OFFICE2	1	12265296069.74890000	12265296069.74890000	10.64	0.00

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	884.6385611	1.07	0.2849	826.95683248
FTES	827.6224172	41.75	0.0001	19.82434868
OFFICE	0.0736380	11.95	0.0001	0.00616201
OFFICE2	-0.0051108	-3.26	0.0011	0.00156714

General Linear Models Procedure

Dependent Variable: COS18  
Weight: OVER14

Source	DF	Sum of Squares	Mean Square	F Value	Pr
Model	28	11636887933648.20000000	415603140487.13500000	369.28	0.0
Error	2533	2850740121032.58000000	1125440237.28092000		
Corrected Total	2561	14487628054680.70000000			
R-Square		C.V.	Root MSE		COS18 R
0.803229		63.41296	33547.58169050		52903.34902

Source	DF	Type I SS	Mean Square	F Value	Pr
SCR/D	1	538309455433.41600000	538309455433.41600000	478.31	0.0
SMSA*OJVISION	17	87299122814.50580000	5135242518.50034000	4.50	0.0
SI214*SPI	8	10963983752298.10000000	1370497969037.26000000	1217.74	0.0
OR11OC	1	7187961530.91748000	7187961530.91748000	6.39	0.0
SI215PT	1	40107641571.25440000	40107641571.25440000	35.64	0.0

Source	DF	Type III SS	Mean Square	F Value	Pr
SCR/D	1	921273479.63641500	921273479.63641500	0.82	0.3
SMSA*OJVISION	17	16227823688.61200000	954577864.03600100	0.85	0.0
SI214*SPI	1	1930842809263.51000000	241355351157.93900000	214.45	0.0
OR11OC	1	5565368256.99819000	5565368256.99819000	4.95	0.0
SI215PT	1	40107641571.25430000	40107641571.25430000	35.64	0.0

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	15048.09552	2.13	0.0332	7062.614359
SCR/D	-5806.62453	-0.90	0.3657	6417.866497
SMSA*DIVISION	-11643.67956	-1.24	0.2159	9405.668522
	-10767.96495	-1.32	0.1868	8154.632841
	-15083.03625	-2.06	0.0398	7331.724757
	-16221.08862	-1.82	0.0695	8933.456441
	-14888.86781	-2.47	0.0135	6025.713006
	-11190.95779	-1.32	0.1859	8456.983159
	-15911.47183	-1.88	0.0605	8472.112757
	-13383.88288	-1.39	0.1642	9618.051302
	-10070.19731	-1.10	0.2701	9129.490095
	-4306.86323	-0.66	0.5099	6534.094270
	-5817.97440	-1.34	0.1792	4154.767669
	-9729.05130	-2.03	0.0424	4791.459688
	-9586.67522	-1.20	0.2317	8013.488090
	-3683.95694	-1.40	0.1605	4647.757350
	-8802.55172	-1.26	0.2078	6986.934086
	-6140.10440	-1.15	0.2512	5349.915067

## General Linear Models Procedure

Dependent Variable: COS21

Parameter	Estimate	t for H0: Parameter=0	Pr >  t	Std Error of Estimate
SPR1Q 15	22227.30802 B	3.42	0.0006	6505.530831
SPR1Q 16	-1092.36821 B	-0.16	0.8734	6855.964458
SPR1Q 17	-2809.04916 B	-0.45	0.6528	6242.961009
SPR1Q 18	873.44948 B	0.10	0.9228	9006.754401
SPR1Q 19	0.00000 B			
SI214	983.85131	6.95	0.0001	141.566973
SI715E1	3422.31876	7.78	0.0001	440.072058
ONE00C	1685.51176	1.00	0.3182	1688.199317

the X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. (S followed by the letter 'B' are biased, and are not unique estimators of the parameters.)

General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr
Model	17	8748485949586.57000000	514616820563.91600000	275.21	0.0
Error	2240	4188625690376.31000000	1869922183.20371000		
Corrected Total	2257	12937111639962.88000000			
R-Square		C.V.	Root MSE		
0.676232		257.0925	43242.59686008		

COS18A F  
16819.8618

Source	DF	Type I SS	Mean Square	F Value	Pr
COS18*SCR7D	2	1973292210025.10000000	986646105012.55200000	527.64	0.0
COS18*SP2*COSB13A4	15	6775193739561.47000000	451679582637.43100000	241.55	0.0
Source	DF	Type III SS	Mean Square	F Value	Pr
COS18*SCR7D	1	64088780962.84080000	64088780962.84080000	34.27	0.0
COS18*SP2*COSB13A4	15	6775193739561.47000000	451679582637.43100000	241.55	0.0

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error Estimate
INTERCEPT	3673.171979	3.76	0.0002	977.871039
COS18*SCR7D	0.281050	44.77	0.0	0.006277
COS18*SP2*COSB13A4	0.262753	48.27	0.0	0.005443
	-0.211219	-36.29	0.0001	0.005820
	0.092004	7.97	0.0	0.011547
	-0.256843	-46.51	0.0	0.005522
	-0.098720	-2.37	0.0181	0.041737
	-0.257349	-24.12	0.0001	0.010671
	-0.197912	-2.23	0.0256	0.088614
	-0.232084	-32.04	0.0001	0.007243
	-0.026887	-0.33	0.7424	0.081797
	-0.252681	-36.55	0.0001	0.006912
	-0.089680	-0.05	0.9587	1.730149
	-0.249755	-42.50	0.0001	0.005876
	-0.056160	-1.02	0.3069	0.054949
	-0.224412	-31.71	0.0001	0.007077
	-0.145191	-10.31	0.0001	0.007077
	-0.223255	-37.18	0.0001	0.006667
	0.000000		0.0001	0.006604

E: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. followed by the letter 'B' are biased, and are not unique estimators of the parameters.



NO RESTRICTIONS ON C0523  
 General Linear Models Procedure

Independent Variable: C0523

Parameter

MAUSIQ\* SPECIAL

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error Estimate
PSY	6737.0925	1.00	0.3163	6733.1981
PTH	9175.0698	1.30	0.0001	7052.0281
RAD	10293.1265	8.03	0.0001	1262.1600
URS	21245.7440	8.54	0.0001	2486.3985
ANS	-1103.0516	-15.37	0.0001	6.7041
CAR	-89.1758	-5.87	0.0001	15.2015
CIS	-74.3818	-4.13	0.0001	18.0317
EM	-161.3962	-3.56	0.0105	63.0668
ENT	-215.3368	-3.01	0.0027	71.6133
GAS	-54.5773	-1.10	0.2696	49.4267
GFP	24.4527	2.07	0.0383	11.7977
GSU	-80.3608	-2.28	0.0224	35.1693
IMO	56.9225	3.40	0.0007	16.7240
NEU	-650.7366	-1.47	0.1419	442.9400
NSU	-778.7466	-1.08	0.0929	463.3456
OBG	-89.5111	-3.27	0.0011	27.4039
OND	113.6963	2.57	0.0004	31.6400
OPH	192.7072	1.72	0.0864	112.3471
ORS	-697.9509	-8.77	0.0001	84.441
OSP	-892.0906	-0.21	0.8338	4251.4542
OSU	-487.0353	-1.00	0.3162	485.7881
PED	-1.8101	-0.31	0.7538	5.7892
PSU	-2498.4011	-0.29	0.7697	8533.2747
PSY	177.6529	0.27	0.7855	662.7016
PTH	-258.0750	-0.53	0.5278	408.6733
RAD	36.4603	2.09	0.0093	14.0663
URS	-6.6955	-0.25	0.8026	26.7840
ANS	42064.4635	3.26	0.0011	12916.5483
CAR	-11047.4707	-1.03	0.3018	10697.0933
CIS	26981.7556	2.34	0.0194	11524.631
LMT	22844.1516	0.52	0.6006	43626.251
ENT	3307.1833	0.24	0.8159	13980.8241
GAS	-5884.9810	-0.49	0.6753	12009.9721
GFP	5506.7882	0.88	0.3767	6267.7535
GSU	15109.1379	1.69	0.0914	8948.9424
IMO	1821.9734	0.26	0.7911	6876.3422
NEU	-8584.7416	-0.31	0.7501	28117.5472
NSU	-11221.7502	-0.33	0.7447	34145.1301
OBG	37459.4087	4.76	0.0001	7865.4105
OND	7197.0831	0.71	0.4782	10143.6738
OPH	7666.4146	0.64	0.5253	12098.6127
ORS	5616.1339	0.48	0.6321	11738.4811
OSP	-4274.7246	-0.12	0.8979	36936.3739
OSU	-10941.7979	-0.25	0.8013	43463.3003
PED	721.7541	0.07	0.9457	10595.2122
PSU	-1017.9058	-0.07	0.9705	27520.9455
PSY	6209.7266	0.38	0.7032	16299.0934
PTH	415.4235	0.01	0.9890	36083.2330
RAD	23421.1764	1.05	0.0992	14199.607
URS	-8883.6266	-0.92	0.3578	19659.9810

General Linear Models Procedure

Dependent Variable: COS19A  
OVERMDRIP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	14	1969180935839.61000000	140655781131.40100000	190.50	0.00
Error	2520	1860647043492.59000000	738352001.36594800		
Corrected Total	2534	3829827979332.20000000			
R-Square					
C.V.					
Root MSE					
		115.2406	27172.63331711		
					COS19A Mean
					23579.04911571

Source	DF	Type I SS	Mean Square	F Value	Pr > F
MDREP	1	1517564063422.200000000	1517564063422.200000000	2055.34	0.0002
MDREP2	1	10307136892.112300000	10307136892.112300000	13.96	0.0001
SI214	1	34048953979.340000000	34048953979.340000000	461.12	0.0002
SI214_2	1	10081479567.837100000	10081479567.837100000	13.65	0.0001
SP19A	3	11169433765.321600000	3723147888.372000000	50.13	0.0001
MD_SIZ14*COS19C	3	3465932606.783040000	1155310868.943346667	15.69	0.0028
SM3A	1	39221905083.419600000	39221905083.419600000	53.12	0.0001
PLINC	1	4171481585.343260000	4171481585.343260000	5.65	0.0175
POVPOP	1	3030478908.610350000	3030478908.610350000	4.10	0.0429
MDQDC	1	430537284.432373000	430537284.432373000	0.58	0.4452

Source	DF	Type III SS	Mean Square	F Value	Pr > F
MDREP	0	0.000000000			
MDREP2	1	95314745.890492600	95314745.890492600	0.13	0.7194
SI214	0	0.000000000			
SI214_2	1	8821933111.287690000	8821933111.287690000	11.95	0.0001
SI214_3	1	3326227785.026200000	3326227785.026200000	45.03	0.0001
MD_SIZ14*COS19C	3	8035066395.248530000	2678355465.148166667	36.2	0.0120
SM3A	1	20621157154.603200000	20621157154.603200000	27.93	0.0001
PLINC	1	6622524144.550970000	6622524144.550970000	8.97	0.0028
POVPOP	1	3083158490.167250000	3083158490.167250000	4.18	0.0411
MDQDC	1	430537284.432339000	430537284.432339000	0.58	0.4452

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	9190.45988 B	1.28	0.1990	7153.209798
MDREP	4139.43727 B	5.84	0.0001	708.227797
MDREP2	-3.04560 B	-0.36	0.7194	8.476657
SI214	2859.46999 B	18.72	0.0001	153.304170
SI214_2	-1.23890 B	-3.46	0.0006	0.358416
SI214_3	-16050.62025 B	-2.04	0.0045	5849.302871
SP19A	-28648.99162 B	-4.28	0.0001	6689.303016
	-4988.14706 B	-0.83	0.4075	6021.314055

General Linear Models Procedure

Dependent Variable: NET

Parameter	Estimate	t for H0: Parameter=0	Pr >  t	Std Error of Estimate
SVLS*NORAP*SPECCQ 9	13.084	6.13	0.0001	2.133857
10	10.562	7.32	0.0001	1.442746
11	35.436	12.00	0.0001	2.951894
12	8.408	4.64	0.0001	1.811013
13	7.061	3.30	0.0010	2.139315
14	0.000	.	.	.
15	0.000	1.76	0.0791	2.463146
16	4.335	2.91	0.0036	1.294639
17	3.771	3.42	0.0006	1.093232
18	6.681	-0.16	0.8735	1.03319
NORAP*SURGR*SPECEQ 1	104861.205	5.34	0.0001	195732.35862
2	1393087.589	10.61	0.0001	131219.80994
3	118091.644	1.58	0.1137	74529.57326
4	-92376.679	-0.31	0.7602	302622.46106
5	238081.397	3.71	0.0007	64226.061329
6	169140.735	1.04	0.2986	162704.18584
7	378903.209	2.64	0.0083	143467.44956
8	-39517.860	-0.85	0.3967	105599.98483
9	48298.726	0.51	0.6114	95046.34252
10	422120.849	7.76	0.0001	54417.691195
11	556028.556	6.17	0.0001	90058.499503
12	20622.639	0.12	0.9053	173281.18450
13	0.000	.	.	.
14	0.000	0.29	0.7701	25622.19595
15	74894.174	-0.69	0.4876	1148437.5863
16	-797249.260	0.33	0.7422	1590225.0031
17	0.000	-2.73	0.0063	22847.375242
18	523222.198	1.34	0.1788	23832.221526
RAPSPEC 0	32051.291	1.11	0.2653	29157.260367
1	28031.184	2.92	0.0035	8809.150171
2	0.000	-3.80	0.0001	4469.569930
3	25727.008	2.68	0.0074	1449.266939
4	-18976.173	-3.20	0.0014	14.191005
5	0.000	3.89	0.0001	7116.141737
6	3880.907	2.89	0.0039	4367.304967
7	-45.343	2.92	0.0035	6251.007231
8	27674.277	0.000	.	.
9	0.000	0.000	.	.
10	12614.958	0.000	.	.
11	18274.133	0.000	.	.
12	0.000	0.000	.	.

The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Est followed by the letter 'B' are biased, and are not unique estimators of the parameters.

General Linear Models Procedure

Dependent Variable: COS19B  
 OVLRRDRP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	139398923403.31000000	12672629400.30090000	86.08	0.0001
Error	2585	380565567715.65400000	147220722.52056200		
Corrected Total	2596	519964491118.96400000			
R-Square					
		C.V.	Root MSE		
	0.268093	454.6798	12133.45468202		
COS19B Mean					
			2668.57104421		

Source	DF	Type I SS	Mean Square	F Value	Pr > F
DRP	1	53277429968.97310000	53277429968.97310000	361.89	0.0001
DRP2	1	1216049763.20819000	1216049763.20819000	8.26	0.0041
Z14	1	10199199545.99920000	10199199545.99920000	69.28	0.0001
Z14 2	1	329196625.96081500	329196625.96081500	2.24	0.1349
_SIZ14*COS19C	3	9361982559.77569000	3120650856.59189000	21.20	0.0001
COS19	3	64921805120.30200000	21640601706.76730000	146.59	0.0001
RESID	1	93259779.09094230	93259779.09094230	0.63	0.4262
Type III SS					
Source	DF	Type III SS	Mean Square	F Value	Pr > F
DRP	0	0.00000000			
DRP2	1	33558577.10877920	33558577.10877920	0.23	0.6331
Z14	0	0.00000000			
Z14 2	1	229177022.20613200	229177022.20613200	1.56	0.2123
_SIZ14*COS19C	3	4681418241.60978000	1560472747.20326000	10.60	0.0001
COS19	3	64793796979.02530000	21597932326.34170000	146.70	0.0001
RESID	1	93259779.09095890	93259779.09095890	0.63	0.4262

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
DRP	-2213.68836	-0.18	0.8557	12109.349900
DRP2	893.40272	2.93	0.0034	304.5380853
Z14	-1.77183	-0.48	0.6331	3.7111211
Z14 2	444.43515	6.74	0.0001	65.8918464
_SIZ14*COS19C	0.19514	1.25	0.2123	0.1572017
COS19	121.45802	1.26	0.2062	95.0586888
RESID	-302.42896	-5.16	0.0001	58.5588942
	-395.41331	-1.39	0.1632	283.4768865
	0.00000			
	-1079.38866	-0.09	0.9292	12140.469072
	17295.76065	1.42	0.1553	12167.606168
	11869.14164	0.97	0.3317	12226.211940
RESID	0.00000			
	634.51014	0.80	0.4262	797.2157111



SAS

General Linear Models Procedure

Dependent Variable: MED38A

Parameter	PSY	RAD	URO	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
STRATUM				12.70119858	9.55	0.0001	1.33052108
				4.31294828	3.12	0.0018	1.38297665
				0.00000000			
AGE	0			0.08438641	3.86	0.0001	0.02184956
SEX	1			1.53559200	1.74	0.0871	0.88297153
FMC	1			1.70578555	2.12	0.0338	0.80318871
BOARD	0			0.00000000			
	0			0.28890490	0.53	0.5967	0.54598163
	1			0.00000000			
	1			0.59278875	0.31	0.7549	1.89898532
	1			0.11043666	0.09	0.9252	1.17630467
	2			-1.67349775	-0.94	0.3473	1.78041259
	2			-1.17808315	-1.40	0.1629	0.84401150
	3			-0.21990598	-0.17	0.8687	1.33049877
	3			-2.23528621	-2.52	0.0119	0.88835246
	4			0.67205727	0.46	0.6434	1.45155484
	4			-1.16869479	-0.96	0.3357	1.21383873
	5			1.90086264	1.56	0.1179	1.21538030
	5			-0.63423571	-0.73	0.4624	0.86295226
	6			1.65217454	1.06	0.2884	1.55593184
	6			0.28616754	0.22	0.8235	1.28317831
	7			3.79362924	2.50	0.0126	1.51952649
	7			1.20328016	1.19	0.2345	1.01199786
	8			5.39371985	3.10	0.0020	1.74143761
	8			1.90987678	1.47	0.1414	1.29839843
	9			2.51951863	1.46	0.1442	1.72501527
	9			0.00000000			
PCINC				0.03584842	0.48	0.6312	0.07467463
POVPOP				0.00992946	1.85	0.0639	0.00535786

NOTE: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimation followed by the letter 'B' are biased, and are not unique estimators of the parameters.

WHERE COS19C IS RESTRICTED TO 3

General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1179025629.79991000	393008543.2666200	0.88	0.4832
Error	31	14532374294.88580000	468786267.57690100		
Corrected Total	34	15711399924.68570000			
R-Square		C.V.			
	0.075043	174.9537	21651.47284222		003190 Mean 12375.54285714

Source	DF	Type I SS	Mean Square	F Value	Pr > F
FRES	1	717646292.21545400	717646292.21545400	1.53	0.2255
OFFICE	1	347291100.01631300	347291100.01631300	0.74	0.3906
OFFICE2	1	114088237.56814900	114088237.56814900	0.24	0.6240
Source	DF	Type III SS <th>Mean Square</th> <th>F Value</th> <th>Pr &gt; F</th>	Mean Square	F Value	Pr > F
FRES	1	53119238.49441320	53119238.49441320	0.11	0.7387
OFFICE	1	327350446.91882900	327350446.91882900	0.70	0.4098
OFFICE2	1	114088237.56814900	114088237.56814900	0.24	0.6255

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
INTERCEPT	3859.268202	0.51	0.6159	7614.9164451
FRES	128.800217	0.34	0.7387	387.6920481
OFFICE	0.237596	0.84	0.4098	0.28432801
OFFICE2	-0.840333	-0.39	0.6255	1.70840653

FOR THE 245 IMPUTATIONS OF WHICH 238 WERE NON-MISSING  
 General Linear Models Procedure

Dependent Variable: ME0388

Parameter	PSY RAD URO	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
STRATUM		-35.65005464 B	-19.02	0.0001	1.87461556
		-16.48356604 B	-8.48	0.0001	1.94485906
AGE		0.00000000 B			
SEX		0.07301313 B	2.37	0.0178	0.03078358
		1.87186510 B	1.52	0.1289	1.23254901
FMG		0.00000000 B			
		-1.26963172 B	-1.12	0.2622	1.13209222
BOARD		0.00000000 B			
		0.04855732 B	0.06	0.9496	0.76807235
DIVISION*SMSA		0.00000000 B			
	1	0.00000000 B			
	2	0.21346313 B	3.07	0.0022	2.67566972
	3	0.05832334 B	0.04	0.9720	1.66340863
	4	6.92010972 B	2.73	0.0063	2.53184163
	5	5.04169866 B	4.23	0.0001	1.19220180
	6	1.66443882 B	0.88	0.3786	1.89017972
	7	-0.52430789 B	-0.42	0.6750	1.25020598
	8	3.11927244 B	1.54	0.1246	2.03044564
	9	-3.69916529 B	-2.16	0.0311	1.71554732
	10	1.82023176 B	1.05	0.2931	1.73098513
	11	0.87105119 B	0.72	0.4738	1.21588041
	12	2.03614338 B	0.92	0.3551	2.20135458
	13	0.09300993 B	0.05	0.9588	1.79815614
	14	7.48357366 B	3.48	0.0005	2.15004977
	15	-0.07310415 B	-0.05	0.9590	1.42364052
	16	0.52146390 B	0.21	0.8318	2.45543107
	17	-2.61858530 B	-1.43	0.1531	1.83240052
	18	-1.30046123 B	-0.54	0.5909	2.41888828
PCINC		0.00000000 B			
POVPOP		-0.34163243 B	-3.25	0.0012	0.10507317
		-0.00281437 B	-0.37	0.7089	0.00753725

: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimate followed by the letter 'B' are biased, and are not unique estimators of the parameters.

General Linear Models Procedure

Dependent Variable: COS21  
Height: OVERMDRP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	23	620870392192.10400000	26994364877.91760000	41.11	0.0001
Error	2618	1718982407913.31000000	656601378.11815100		
Corrected Total	2641	2339852800105.42000000			

R-Square	C.V.	Root MSE
0.265346	298.5609	25624.23419574
COS21 Mean		
8582.58226930		

Source	DF	Type I SS	Mean Square	F Value	Pr > F
MDREP	1	418368419213.78400000	418368419213.78400000	637.17	0.0001
MDREP2	1	1297823612.18066000	1297823612.18066000	1.98	0.1599
SPECEQ	18	49311579232.66350000	2739532179.59242000	4.17	0.0001
SIZ14	1	111234867878.77300000	111234867878.77300000	169.41	0.0001
SIZ15E1	1	40003189783.94650000	40003189783.94650000	60.92	0.0001
ORLDOC	1	654512470.75634700	654512470.75634700	1.00	0.3182

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Std Error of Estimate
MDREP	1	4905403899.78312000	4905403899.78312000	7.47	0.0065	5541.271162
MDREP2	1	342591467.41901600	342591467.41901600	0.52	0.4702	590.226442
SPECEQ	18	34706841240.48920000	1928157846.69384000	2.94	0.0001	4.481947
SIZ14	1	31712961683.41050000	31712961683.41050000	48.30	0.0001	5543.309080
SIZ15E1	1	39709558978.96950000	39709558978.96950000	60.48	0.0001	5006.814283
ORLDOC	1	654512470.75634800	654512470.75634800	1.00	0.3182	6180.615017

Parameter	Estimate	T for H0: Parameter=0	Pr >  T
INTERCEPT	-4306.62877	-0.78	0.4371
MDREP	1613.26292	2.73	0.0063
MDREP2	31.23746	0.72	0.4702
SPECEQ	148.38601	0.03	0.9786
	821.01939	0.15	0.8836
	7378.71673	1.19	0.2326
	1211.86740	0.20	0.8430
	1221.89697	0.20	0.8397
	1542.77681	0.27	0.7879
	-467.22788	-0.07	0.9411
	9809.74727	1.05	0.2986
	5587.28165	0.95	0.3404
	-1134.23604	-0.95	0.3404
	7497.82532	1.23	0.2197
	3675.22128	0.63	0.5294
	425.17042	0.08	0.9393
	331.65178	0.05	0.9544



FOR THE 177 IMPUTATIONS OF WHICH 174 WERE NON-MISSING

General Linear Models Procedure

Dependent Variable: MED38C

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
STRATUM	0.91749035	0.79	0.4281	1.15770641
	1.27546463	1.07	0.2833	1.18951975
	4.28182835	3.70	0.0002	1.15785636
	1.76986030	1.55	0.1214	1.14223136
	0.59289756	0.53	0.5970	1.12140259
	3.84855707	3.29	0.0010	1.16882803
	0.00000000			
AGE	-0.00966009	-0.53	0.5987	0.01835355
SEX	-2.22938259	-3.00	0.0027	0.74330077
	-2.96086307	-4.37	0.0001	0.67800579
FMG	0.00000000			
	2.22805688	4.86	0.0001	0.45878775
BOARD	0.00000000			
	0.00000000			
DIVISION*SMSA	-3.14128080	-1.95	0.0510	1.60885715
	-2.79584858	-2.81	0.0049	0.99415419
	-1.56536903	-1.02	0.3069	1.53188202
	-4.67561469	-6.44	0.0001	0.72606292
	-2.39955421	-2.05	0.0403	1.16967296
	-3.02693584	-4.02	0.0001	0.75224604
	-2.29402349	-1.84	0.0655	1.24526935
	-3.90829353	-3.76	0.0002	1.04023833
	-2.65189964	-2.50	0.0125	1.06065974
	-5.73834134	-7.85	0.0001	0.73094573
	-2.67779080	-1.95	0.0517	1.37575201
	-5.68485142	-5.22	0.0001	1.08853319
	-3.62879313	-2.73	0.0063	1.32748412
	-6.58361758	-7.64	0.0001	0.86207386
	-5.26996924	-3.46	0.0005	1.52309858
	-4.98020510	-4.44	0.0001	1.12137428
	-0.57530557	-0.40	0.6929	1.455642084
	0.00000000			
PCINC	-1.68990199	-5.12	0.0001	0.32983180
POVPOP	-0.00858468	-0.62	0.5334	0.01378296
PCINC\$Q	0.03337358	4.10	0.0001	0.00814293
POVSQ	0.00005273	1.28	0.2022	0.00004134

E: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimate followed by the letter 'B' are biased, and are not unique estimators of the parameters.

General Linear Models Procedure

Dependent Variable: COS22  
Height: OVERMORP

Source	DF	Sum of Squares	Mean Square	F Value	Pr >
Model	23	37012484333147.42000000	1609233844919.45300000	146.88	0.0
Error	2822	3091865940773.22000000	1095629319.90540000		
Corrected Total	2845	6793114373920.65000000			
R-Square		C.V.	Root MSE		
		0.544853	33100.29184019		COS22 Me. 17979.9473761

Source	DF	Type I SS	Mean Square	F Value	Pr >
SPECEQ	18	168807902749.95000000	9378216819.44167000	8.56	0.00
COS21	1	1722041345578.10000000	1722041345578.10000000	1571.74	0.00
COS21_2	1	11512904596.83100000	11512904596.83100000	10.51	0.00
COS20X16	1	162514827.48828100	162514827.48828100	0.15	0.70
MORP	1	1793982985049.53000000	1793982985049.53000000	1637.40	0.00
NO21	1	4740780345.52246000	4740780345.52246000	4.33	0.03
Source	DF	Type III SS	Mean Square	F Value	Pr >
SPLCEQ	18	97238399064.14060000	5402133281.34114000	4.93	0.00
COS21	1	106531281546.31500000	106531281546.31500000	97.23	0.00
COS21_2	1	4352446850.73186000	4352446850.73186000	3.97	0.04
COS20X16	1	544238429.90943500	544238429.90943500	0.50	0.48
MORP	1	179867159551.70000000	179867159551.70000000	1641.68	0.00
NO21	1	4740780345.52249000	4740780345.52249000	4.33	0.03

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
1	-19704.10814	-2.88	0.0040	6834.3500000
2	17195.11227	2.46	0.0141	7000.4953300
3	14352.74782	2.02	0.0430	7090.0527275
4	6513.17418	0.84	0.4028	7784.3772781
5	9447.40166	1.23	0.2206	7710.9745441
6	22368.01655	2.95	0.0032	7579.1112114
7	7510.32375	1.03	0.3009	7298.6394270
8	24716.06478	3.13	0.0017	7885.4992336
9	20452.92770	2.74	0.0061	7457.6929471
10	14080.42454	1.89	0.0584	7436.5323341
11	18907.52397	2.61	0.0092	7253.0133094
12	10660.41645	0.14	0.8902	7680.1502815
13	16427.67601	2.23	0.0261	7379.4017511
14	5901.02324	0.83	0.4061	7102.6460072
15	79.41746	0.01	0.9914	7349.6061560
16	-3108.34560	-0.38	0.7070	8269.8407880
	8980.05859	1.04	0.2985	8636.7077933

General Linear Models Procedure

Dependent Variable: MED380

Parameter	Estimate	T for H0: Parameter=0	Pr >  T	Std Error of Estimate
DIVISION*SMSA 1 0	8.24576747 B	3.82	0.0001	2.15979406
2 0	7.48856696 B	5.66	0.0001	1.32219070
3 0	7.20594734 B	3.56	0.0004	2.02406336
4 0	8.69978860 B	8.94	0.0001	0.97310031
5 0	3.80758277 B	2.44	0.0149	1.56264090
6 0	5.87392654 B	5.71	0.0001	1.02881596
7 0	7.34998037 B	4.41	0.0001	1.66496271
8 0	7.00284532 B	5.12	0.0001	1.36753465
9 0	3.54344147 B	2.48	0.0132	1.42939464
1 1	6.06135812 B	6.05	0.0001	1.00151179
2 1	3.24828482 B	1.83	0.0675	1.77622685
3 1	9.13909990 B	6.17	0.0001	1.48160761
4 1	-1.05107545 B	-0.58	0.5594	1.80015903
5 1	1.62965444 B	1.36	0.1730	1.19569828
6 1	1.01163426 B	0.50	0.6193	2.03603920
7 1	-0.74520342 B	-0.50	0.6189	1.49787966
8 1	3.06606330 B	1.57	0.1168	1.95457100
9 1	0.00000000 B			
PCINC	0.00002654	0.33	0.7402	0.00008002

The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimates followed by the letter 'B' are biased, and are not unique estimators of the parameters.

NO RESTRICTIONS ON COS23

General Linear Models Procedure

Dependent Variable: COS23

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	91	68672094772762.20000000	754638404096.28700000	119.06	0.0
Corrected Total	2836	17975361517321.30000000	6338279801.59400000		
R-Square	2927	866474562900083.50000000			
C.V.		124.6675	79613.31422315		
Root MSE					63860.51263661

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SIZE1*SPECHAL	23	639830640938800.50000000	278187233886643.50000000	438.90	0.0
SIZE2*SPECHAL	23	4216543524496.36000000	183327979375.92300000	28.82	0.0001
CARE*SPECHAL	23	292211630592.62500000	12704853504.62710000	2.00	0.0001
TYPE1*SPECHAL	21	178363825876.96300000	8493515517.95015000	1.34	0.1375
ERROR	1	1910852995.75390000	1910852995.75390000	0.30	0.5830

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Std Error of Estimate
SIZE1*SPECHAL	23	7494366178648.81000000	325842007767.33900000	51.41	0.0001	4778.843088
SIZE2*SPECHAL	23	2713339116619.79000000	117971285939.99100000	18.01	0.0001	1185.754728
CARE*SPECHAL	23	297044873737.49700000	12914984516.52600000	2.04	0.0025	1890.851361
TYPE1*SPECHAL	21	180274334693.21800000	8584492128.24857000	1.35	0.1293	1973.087185
ERROR	1	1910852995.75394000	1910852995.75394000	0.30	0.5830	3037.338264

Parameter	Estimate	T for H0: Parameter=0	Pr >  T
INTERCEPT	-6044.4154	-1.26	0.2060
SIZE1	26092.8340	22.01	0.0001
SIZE2	18595.4968	9.83	0.0001
CARE	26112.8936	13.23	0.0001
TYPE1	13724.9669	4.52	0.0001
TYPE2	21202.1525	4.64	0.0001
TYPE3	13563.4143	4.84	0.0001
TYPE4	8189.5382	6.53	0.0001
TYPE5	19045.5458	8.36	0.0001
TYPE6	6660.8857	5.62	0.0001
TYPE7	20453.2702	2.18	0.0295
TYPE8	34763.0743	3.36	0.0008
TYPE9	19122.0743	10.10	0.0001
TYPE10	5286.8374	2.48	0.0131
TYPE11	8323.8516	1.60	0.1087
TYPE12	38860.1235	13.02	0.0001
TYPE13	12905.0804	0.43	0.6642
TYPE14	35450.0025	1.60	0.1089
TYPE15	8427.7364	4.76	0.0001
TYPE16	33321.5334	1.17	0.2421



## 2.0 NORMALIZING PERSON-LEVEL DATA WEIGHTS FOR ANALYTIC PURPOSES

### 2.1 The Issue

The 1988 Physicians' Practice Costs and Income Survey (PPCIS) gathered data for a nationally-representative sample of active nonfederal patient care physicians who were either full or part owners of their main practice or employed by a physician practice. The data can be used to produce national and subnational estimates of physician practice costs, incomes, and other practice characteristics.

Because of the complex sample design, the disproportionate probability of selection, and a desire to produce national projections, the public use file contains person-level weights that should be used for most analyses. The weights are designed to inflate the final sample of 3,505 physicians to the target population of 217,970 physicians.\* However, the data weights on the public use file assume that no individual data values are missing. To the extent that missing data are present (for example, when the nonimputed data file is used), correction factors must be applied to sample projections.

This technical memorandum describes our approach to adjusting the weights for analytic purposes. The first approach involves rescaling the weights to project to the completed number of cases (3,505) rather than the weighted population sizes (217,970). We have recognized two advantages to normalizing the weights to the completed "n" of 3,505 rather than producing a weighted "N" of nearly 218,000. First, analysts can be easily misled about cell sizes when using weighted data, because the number of cases (unweighted) may actually be quite small. Second, SAS standard errors are inflated when actual weights are used but not when normalized weights are used.

The second approach involves adjusting the data weights in cases of missing data, either to project to the completed "n" of 3,505 or the weighted "N" of 217,970. We first present the two approaches conceptually and then as applied to SAS code.

### 2.2 The Approaches

Standardization can be used in two instances, each requiring a different but conceptually similar approach. The first instance, discussed in Section 2.2.1, involves simply rescaling the weights to the completed "n" in order to eliminate the confusion and potential misleading results of "inflated" sample sizes and to produce accurate standard errors. The second situation, presented in Section 2.2.2, involves adjusting the weights for missing data, to project to either the "unweighted n" of 3,505 or the "weighted N" of 217,970.

#### 2.2.1 Rescaling to the Completed "n"

To rescale the person-level data weights to the completed "n" of 3,505, the analyst would multiply the WTVAR by the ratio of the completed "n" (3,505) to the weighted "N" (217,970). The general algorithm is as follows:

$$NWTVAR_i = WTVAR_i * (n/N)$$

where:

NWTVAR<sub>i</sub> = normalized weight variable for cell i;

WTVAR<sub>i</sub> = original weight for cell i;

n = the completed sample size (n = 3,505); and

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\*This is the weighted number of physicians included in the reference population for the 1988 PPCIS: nonfederal patient care physicians (excluding interns, residents, and fellows) who were full- or part-owners of their main practice or employed by other physicians, and were practicing at least 20 hours per week at the time of the interview as well as during 1988, and who were in the same practice for all of 1988. Additional details on the sample design can be found in the Methodology Report (Thalji et al., 1991).

APPENDIX III-B

***PROC CONTENTS***

(ALPHABETIC ORDER)

### 3.0 PRACTICAL ADVICE FOR USERS OF THE 1988 PPCIS

This technical memorandum contains information, in a question and answer format, that may be helpful to users of the 1988 PPCIS. While much of the information may be repetitive of what is contained elsewhere in the Handbook, it is hoped that this may serve as an index for frequently encountered problems.

#### PRACTICE COSTS

*Q. How can costs per physician in the practice be determined?*

A. Physicians were asked to report costs at the practice level in questions 16 through 26, and the vast majority of physicians reported at the practice level. However, a few physicians reported costs at the individual level. Question INT69B indicates the level of reporting: INT69B = 1 for group level, INT69B = 2 for individual level. (INT69B = 3 for physician employees, who were skipped from this section of the survey.) Per physician costs can be determined using the code:

MDREP = MDSIZE if INT69B = 1,

MDREP = 1 if INT69B = 2.

MDREP (MDs reporting) is then used as the denominator to determine per-physician expenses. For example, per-MD equipment expenses would be derived as follows:

EQUIPMD = COS21/MDREP (without imputed data), or

EQUIPMDI = IMP21/MDREP (with imputed data).

*Q. Why are COS17, COS17A, and COS17B excluded from in the computation of total practice costs (TOTCOST)?*

A. Questions COS16, COS16A, and COS16B ask for wages, deferred compensation and bonuses, and fringe benefits for all physicians in the practice. Questions COS17, COS17A, and COS17B ask for the same values for physician employees only. Thus, including the COS17 series in the calculation of total costs would mean double counting the earnings of physician employees.

The COS17 questions are the only question in the cost section of the survey that ask for a subset of costs provided elsewhere.

*Q. How were "combined" responses handled for questions COS17, COS17A and COS17B handled?*

A. The COS17 questions were unique as they were the only cost questions in the survey that asked for a subset of costs provided elsewhere. In numerous cases, respondents who were unable to provide answers to the cost 17 series made verbatim comments such as "those are included with COS16." These responses were customarily coded as combined values. However, in practice this type of combined could be treated as identical to a don't know, because all COS17 responses were included in COS16 series by definition. Review of the verbatim comments was made for all observations in which a COS17 series question was coded as combined to determine whether the response should be treated as a combined (the value was included in a question other than COS16) or should be treated as a don't know (the value was combined with COS16).



----ALPHABETIC LIST OF VARIABLES AND ATTRIBUTES-----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
130	AGE	NUM	3	435			AGE OF RESPONDENT (1988 - BIRTH YEAR)
131	AGE_R	NUM	3	438			RECODED AGE
134	BOARD1	NUM	3	447			FIRST BOARD CERTIFICATION
135	BOARD2	NUM	3	450			SECOND BOARD CERTIFICATION
3	CELL	NUM	3	14			THREE SAMPLE VARIABLES
88	COSBOX16	NUM	3	295			OFFICE SUPPLIES INCLUDED IN COS22
60	COSBX9A1	NUM	3	191			PROVIDED SEPARATELY (AS ASKED)
61	COSBX9A2	NUM	3	194			DEFERRED COMP COMBINED WITH TOTAL WAGES
62	COSBX9A3	NUM	3	197			FRINGE BENEFITS COMBINED W/TOTAL WAGES
63	COSBX9A4	NUM	3	200			BNFTS COMBINED W/DEFERRED COMPENSATION
67	COSB11A1	NUM	3	218			PROVIDED SEPARATELY AS ASKED
68	COSB11A2	NUM	3	221			DEFERRED COMP COMBINED WITH TOTAL WAGES
69	COSB11A3	NUM	3	224			FRINGE BENEFITS COMBINED W/ TOTAL WAGES
70	COSB11A4	NUM	3	227			BNFTS COMBINED W/DEFERRED COMPENSATION
74	COSB13A1	NUM	3	242			PROVIDED SEPARATELY AS ASKED
75	COSB13A2	NUM	3	245			DEFERRED COMP COMBINED WTH TOTAL WAGES
76	COSB13A3	NUM	3	248			FRINGE BENEFITS COMBINED W/TOTAL WAGES
77	COSB13A4	NUM	3	251			BNFTS COMBINED W/DEFERRED COMPENSATION
57	COS16	NUM	5	176			WAGES FOR PHYSICIANS IN R'S PRACTICE 88
58	COS16A	NUM	5	181			TOTAL SPENT FOR PHYSICIAN DEFERRED COMP
59	COS16B	NUM	5	186			TOTAL SPENT FOR PHYSICIAN FRINGE BENEFIT
64	COS17	NUM	5	203			TOTAL WAGES FOR PHYSICIAN EMPLOYEES 88
65	COS17A	NUM	5	208			TOTAL SPENT FOR MD EMP'S DEFERRED COMP
66	COS17B	NUM	5	213			TOTAL SPENT FOR MD EMP'S FRINGE BENEFITS
71	COS18	NUM	4	230			TOTAL WAGES FOR NON-PHYSICIAN EMPLOYEES
72	COS18A	NUM	4	234			TOTAL SPENT NON-PHYSICIAN DEFERRED COMP
73	COS18B	NUM	4	238			TOTAL SPENT NON-PHYSICIAN FRINGE BENEFIT
78	COS19	NUM	3	254			IN 1988 DID R RENT OR OWN OFFICE SPACE
79	COS19A	NUM	4	257			YEARLY OFFICE SPACE RENTAL OR LEASE COST
80	COS19B	NUM	4	261			1988 DEPRECIATION COST FOR OFFICE SPACE
81	COS19C	NUM	3	265			RENTAL/LEASE INCLUDE UTILITIES/TELEPHONE
82	COS19D	NUM	4	268			EXPENSES FOR UTILITIES/TELEPHONE IN 1988
83	COS19E	NUM	4	272			TOTAL SQUARE FOOTAGE OF OFFICE SPACE
84	COS19F	NUM	8	276			COST PER SQUARE FOOT FOR OFFICE SPACE
85	COS20	NUM	3	284			REASON FOR NO EXPENSES FOR OFFICE SPACE
86	COS21	NUM	4	287			MEDICAL EQUIPMENT DEPRECIATION EXPENSES
87	COS22	NUM	4	291			ANNUAL EXPENSES FOR ALL MEDICAL SUPPLIES
89	COS23	NUM	4	298			MALPRACTICE INSURANCE COST ALL MEMBERS
90	COS24	NUM	4	302			AUTOMOBILE UPKEEP AND DEPRECIATION COST
91	COS25	NUM	4	306			CONTINUING EDUCATION EXPENSES FOR 1988
92	COS26	NUM	4	310			COST FOR MISCELLANEOUS ITEMS IN 1988
129	DEM43	NUM	3	432			RACE OF RESPONDENT
7	DIVISION	NUM	3	26			UPDATED CENSUS DIVISION
364	EQINVMT	NUM	3	1327			OUTSIDE INVESTMENTS IN EQUIPMENT
362	EQPMT	NUM	3	1321			PHYSICIANS WHO OWN/LEASE/RENT EQUIPMENT
150	EQU44A	NUM	3	509			R OWNS/LEASES/RENTS X-RAY EQPMNT
151	EQU44AA	NUM	3	512			R HAS INVESTMENT IN X-RAY EQUIPMENT
161	EQU44AB	NUM	3	552			R HAS INVESTMENT IN ROUTINE EKG EQPMNT
171	EQU44AC	NUM	3	592			R HAS INVSTMNT IN DIAG ULTRASOUND EQUIP
185	EQU44AD	NUM	3	644			R HAS INVESTMENT IN ENDOSCOPY EQUIPMENT
195	EQU44AE	NUM	3	684			R HAS INVESTMENT IN SIGMOIDOSCOPY EQUIP
205	EQU44AF	NUM	3	724			R HAS INVESTMENT IN COLONOSCOPY EQPMNT
215	EQU44AG	NUM	3	764			R HAS INVESTMENT IN STRESS TEST EQUIP
225	EQU44AH	NUM	3	804			R HAS INVSTMNT IN ECG MONITOR EQUIPMENT
235	EQU44AI	NUM	3	844			R HAS ANY INVESTMENTS IN ECG EQUIPMENT
245	EQU44AJ	NUM	3	884			R HAS INVESTMENT STRESS TEST EQUIPMENT
255	EQU44AK	NUM	3	924			R HAS INVSTMNT: BLOOD POOL IMAGERY EQUIP
265	EQU44AL	NUM	3	964			R HAS INVESTMENT IN CT SCAN EQUIPMENT
275	EQU44AM	NUM	3	1004			R HAS INVSTMNT IN MAG RESONANCE EQUIP
285	EQU44AN	NUM	3	1044			R HAS INVESTMENT IN NUCLEAR SCAN EQUIP
160	EQU44B	NUM	3	549			R OWNS/LEASES/RENTS EKG EQUIPMENT
170	EQU44C	NUM	3	589			R OWNS/LEASES/RENTS/ULTRASOUND EQUIPMENT
184	EQU44D	NUM	3	641			R OWNS/LEASES/RENTS ENDOSCOPY EQUIPMNT
194	EQU44E	NUM	3	681			R OWNS/LEASES/RENT SIGMOIDOSCOPY EQUIPMNT
204	EQU44F	NUM	3	721			R OWNS/LEASES/RENTS/ COLONOSCOPY EQPMNT
214	EQU44G	NUM	3	761			R OWNS/LEASES/RENTS STRESS TEST EQUIPMNT
224	EQU44H	NUM	3	801			R OWNS/LEASES/RENTS ECG EQUIPMENT
234	EQU44I	NUM	3	841			R OWNS/LEASES/RENTS ECG EQUIPMENT
244	EQU44J	NUM	3	881			R OWNS/LEASES/RENTS STRESS TEST EQUIP
254	EQU44K	NUM	3	921			R OWNS/LEASES BLOOD POOL IMAGERY EQUIP
264	EQU44L	NUM	3	961			R OWNS/LEASES/RENTS CT. SCAN EQUIPMENT
274	EQU44M	NUM	3	1001			R OWNS/LEASES/RENTS MAGNETIC RES EQUIP
284	EQU44N	NUM	3	1041			R OWNS/LEASES/RENTS NUCLEAR SCAN EQUIP
152	EQU45A1	NUM	3	515			X-RAY EQUIPMENT PURCHASED
153	EQU45A2	NUM	3	518			X-RAY EQUIPMENT LEASED
154	EQU45A3	NUM	3	521			X-RAY EQUIPMENT RENTED
162	EQU45B1	NUM	3	555			EKG EQUIPMENT PURCHASED
163	EQU45B2	NUM	3	558			EKG EQUIPMENT LEASED



## SUPPLEMENTAL VARIABLES

### *Q. How were the variables NET (net income) and INC29R created?*

A. Physicians were asked to report their own personal net income from all medical activities in INC29. If an exact amount was given, it was entered as INC29A. If not, physicians were asked to provide a range for their income. If this value was less than \$500,000 the appropriate range (1-18) was coded for INC29B. If the physician indicated a range above \$500,000, the interviewer asked for an approximate value that was entered into INC29C.

Two recodes are included on the file: INC29R is a categorical variable similar to INC29B, and NET is a continuous variable. The variable NET combines the information reported in all three INC29 questions. For physicians who provided a numeric answer to INC29A or INC29C, NET was set equal to that value. For physicians who provided a range for INC29B, the midpoint of that range was used to create NET. Physicians reporting in the lowest category, less than \$30,000, were given values of NET equal to \$20,000. INC29R converts the values given in INC29A and INC29C into the ranges reported in INC29B.

Both NET and INC29R are based on imputed variables to reduce the extent of missing data.

### *Q. What section of the survey does the PROXY variable correspond to?*

A. The PROXY variable is based on question INT69, which refers to "who completed the cost section." This question was converted to a variable equal to 1 if the section was completed by a proxy, 0 if completed by the physician.

## MISCELLANEOUS RECODES

### *Q. Why were some original skips filled with zeroes?*

A. The original survey instrument was designed to avoid needless repetition. For example, if a respondent indicated that there were no nonphysician employees in the practice, the questions regarding earnings for nonphysician employees were skipped. These skips can, however, cause problems for researchers, who must remember to replace the missing values with zeroes for many types of analytic runs. For example, non-MD employee expenses per MD would be overstated if physicians with no nonphysician employees were excluded from the denominator. Thus, a value of zero has been inserted in selected variables that had been skipped by CATI to streamline the administration of the survey questionnaire. The questions that were zero-filled include:

- PRD11A-D - physician visits (skipped if zero hours reported for this medical activity);
- SIZ12B - physician employees full-time (skipped if only one full-time physician in the practice);
- SIZ12D - physician employees part-time (skipped if no part-time physicians in the practice);
- SIZ15A1-H1 - classification of nonphysician employees (skipped if no nonphysician employees);
- COS17 - physician employee wages (skipped if no physician employees);
- COS17A - physician employee deferred compensation and bonuses (skipped if no physician employees);
- COS17B - physician employee fringe benefits (skipped if no physician employees);

----ALPHABETIC LIST OF VARIABLES AND ATTRIBUTES----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
251	EQU49J	NUM	4	905			R SHARE OF STRESS TEST EQUIP COSTS
261	EQU49K	NUM	4	945			R SHARE: 8BLOOD POOL IMAGERY EQUIP COST
271	EQU49L	NUM	4	985			R SHARE OF CT SCAN EQUIPMENT COSTS
281	EQU49M	NUM	4	1025			R SHARE OF MAG RES IMAGERY EQUIP COSTS
291	EQU49N	NUM	4	1065			R SHARE NUCLEAR SCAN EQUIPMENT COSTS
158	EQU50A	NUM	6	537			MAINTENANCE COST FOR X-RAY EQUIPMENT
168	EQU50B	NUM	6	577			MAINTENANCE COST FOR EKG EQUIPMENT
182	EQU50C	NUM	6	629			MAINTENANCE COST FOR ULTRASOUND EQUIPMNT
192	EQU50D	NUM	6	669			MAINTENANCE COST FOR ENDOSCOPY EQUIPMENT
202	EQU50E	NUM	6	709			MAINTENANCE COST FOR SIGMOIDOSCOPY EQUIP
212	EQU50F	NUM	6	749			MAINTENANCE COST OF COLONOSCOPY EQPMNT
222	EQU50G	NUM	6	789			MAINTENANCE COST: STRESS TEST EQUIPMENT
232	EQU50H	NUM	6	829			MAINTENANCE COSTS FOR ECG EQUIPMENT
242	EQU50I	NUM	6	869			MAINTENANCE COST FOR ECG EQUIPMENT
252	EQU50J	NUM	6	909			MAINTENANCE COST: STRESS TEST EQUIPMENT
262	EQU50K	NUM	6	949			MAINT. COSTS: BLOOD POOL IMAGERY EQUIP
272	EQU50L	NUM	6	989			MAINTENANCE COST FOR CT SCAN EQUIPMENT
282	EQU50M	NUM	6	1029			MAINTENANCE COSTS FOR MRI EQUIPMENT
292	EQU50N	NUM	6	1069			MAINTENANCE COST FOR NUCLEAR SCAN EQUIP
159	EQU51A	NUM	6	543			# OF TESTS PERFORMD USING X-RAY EQPMNT
169	EQU51B	NUM	6	583			# OF TESTS PERFORMED USING EKG EQUIPMENT
183	EQU51C	NUM	6	635			# TESTS PERFORMD USING ULTRASOUND EQUIP.
193	EQU51D	NUM	6	675			# OF TESTS PERFORMD USING ENDOSCOPY EQP
203	EQU51E	NUM	6	715			# TESTS DONE USING SIGMOIDOSCOPY EQPMNT
213	EQU51F	NUM	6	755			#TESTS PERFORMD USING COLONOSCOPY EQUIP
223	EQU51G	NUM	6	795			# TESTS DONE USING CARDIOVASCULAR EQUIP
233	EQU51H	NUM	6	835			# TESTS PERFORMED USING ECG EQUIPMENT
243	EQU51I	NUM	6	875			#TESTS PERFORMED USING ECG EQUIPMENT
253	EQU51J	NUM	6	915			# TESTS DONE USING CARDIOVASCULAR EQUIP
263	EQU51K	NUM	6	955			# TESTS PERFORMD USING MYOCARDIUM EQUIP
273	EQU51L	NUM	6	995			# TESTS PERFORMD USING CT SCAN EQUIPMNT
283	EQU51M	NUM	6	1035			# TESTS WITH MRI EQUIPMENT
293	EQU51N	NUM	6	1075			# TESTS DONE USING NUCLEAR SCAN EQUIPMNT
366	EQU52AR	NUM	8	1333			PHYSICIAN TIME INVOLVED IN X-RAY
367	EQU52BR	NUM	8	1341			PHYSICIAN TIME INVOLVED IN EKG
368	EQU52CR	NUM	8	1349			PHYSICIAN TIME INVOLVED IN ULTRASOUND
369	EQU52DR	NUM	8	1357			PHYSICIAN TIME INVOLVED IN ENDOSCOPY
370	EQU52ER	NUM	8	1365			PHYSICIAN TIME INVOLVED IN SIGMOIDOSCOPY
371	EQU52FR	NUM	8	1373			PHYSICIAN TIME INVOLVED IN COLONOSCOPY
372	EQU52GR	NUM	8	1381			PHYSICIAN TIME INVOLVED IN STRESS TESTS
373	EQU52HR	NUM	8	1389			PHYSICIAN TIME INVOLVED IN ECG
374	EQU52IR	NUM	8	1397			PHYSICIAN TIME INVOLVED IN ECG
375	EQU52JR	NUM	8	1405			PHYSICIAN TIME INVOLVED IN STRESS TEST
376	EQU52KR	NUM	8	1413			PHYSICIAN TIME IN BLOOD POOL IMAGERY
377	EQU52LR	NUM	8	1421			PHYSICIAN TIME INVOLVED IN CT SCAN
378	EQU52MR	NUM	8	1429			PHYSICIAN TIME INVOLVED IN MAG RES IMAGE
379	EQU52NR	NUM	8	1437			PHYSICIAN TIME INVOLVED IN NUCLEAR SCAN
380	EQU53AR	NUM	8	1445			NON-PHYSICIAN TIME SPENT ASSISTING X-RAY
381	EQU53BR	NUM	8	1453			NON-PHYSICIAN TIME SPENT ASSISTING EKG
382	EQU53CR	NUM	8	1461			NON-PHYSICIAN TIME ASSISTING ULTRASOUND
383	EQU53DR	NUM	8	1469			NON-PHYSICIAN TIME ASSISTING ENDOSCOPY
384	EQU53ER	NUM	8	1477			NON-PHYS TIME ASSISTING SIGMOIDOSCOPY
385	EQU53FR	NUM	8	1485			NON-PHYSICIAN TIME ASSISTING COLONOSCOPY
386	EQU53GR	NUM	8	1493			NON-PHYSICIAN TIME ASSISTING STRESS TEST
387	EQU53HR	NUM	8	1501			NON-PHYSICIAN TIME SPENT ASSISTING ECG
388	EQU53IR	NUM	8	1509			NON-PHYSICIAN TIME ASSISTING ECG
389	EQU53JR	NUM	8	1517			NON-PHYSICIAN TIME ASSISTING STRESS TEST
390	EQU53KR	NUM	8	1525			NON-PHYSICIAN TIME: 8BLOOD POOL IMAGERY
391	EQU53LR	NUM	8	1533			NON-PHYSICIAN TIME ASSISTING CT SCAN
392	EQU53MR	NUM	8	1541			NON-PHYSICIAN TIME: MAGNETIC RES IMAGERY
393	EQU53NR	NUM	8	1549			NON-PHYSN TIME ASSISTING NUCLEAR SCAN
133	FMG	NUM	3	444			FOREIGN OR DOMESTIC SCHOOL GRADUATE
1	ID	CHAR	7	4			ID NUMBER OF RESPONDENT
422	IMPNET	NUM	8	1781			IMPUTED VALUE FOR NET
426	IMP10A	NUM	8	1813			IMPUTED VALUE FOR PRD10A
427	IMP10B	NUM	8	1821			IMPUTED VALUE FOR PRD10B
428	IMP10C	NUM	8	1829			IMPUTED VALUE FOR PRD10C
429	IMP10D	NUM	8	1837			IMPUTED VALUE FOR PRD10D
430	IMP10E	NUM	8	1845			IMPUTED VALUE FOR PRD10E
431	IMP11A	NUM	8	1853			IMPUTED VALUE FOR PRD11A
432	IMP11B	NUM	8	1861			IMPUTED VALUE FOR PRD11B
433	IMP11C	NUM	8	1869			IMPUTED VALUE FOR PRD11C
435	IMP11C1	NUM	8	1885			IMPUTED VALUE FOR PRD11C1
434	IMP11D	NUM	8	1877			IMPUTED VALUE FOR PRD11D
424	IMP14	NUM	8	1797			IMPUTED VALUE FOR SIZ14
398	IMP16	NUM	8	1589			IMPUTED VALUE FOR COS16
399	IMP16A	NUM	8	1597			IMPUTED VALUE FOR COS16A
400	IMP16B	NUM	8	1605			IMPUTED VALUE FOR COS16B

Using these questions together, income from outside medical activities can be calculated as follows:

$ADJNET = NET * (1 - (INC30/100))$  if  $INC30 \geq 0$ ; else  $ADJNET = NET - INC30A$ .

*Q. What does the value ".P" mean?*

A. Ten respondents answered mail questionnaires that were abbreviated versions of the regular survey instrument. Questions that these respondents did not answer because they were not asked on the mail surveys are coded as ".P" to distinguish them from other types of skips and nonresponses.



----ALPHABETIC LIST OF VARIABLES AND ATTRIBUTES-----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
34B	LAB60D	NUM	5		1277		# OF HISTOLOGY TESTS PERFORMED
304	LAB61A1	NUM	3		1120		BLOOD URIC ACID TESTS PERFORMED
305	LAB61A2	NUM	3		1123		BLOOD UREA TESTS PERFORMED
306	LAB61A3	NUM	3		1126		SERUM CHOLESTEROL TESTS PERFORMED
307	LAB61A4	NUM	3		1129		GLUCOSE TESTS PERFORMED
321	LAB61B1	NUM	3		1180		HEMATOCRIT TESTS PERFORMED
322	LAB61B2	NUM	3		1183		HEMOGLOBIN TESTS PERFORMED
323	LAB61B3	NUM	3		1186		PROTHROMBIN TIME TESTS PERFORMED
324	LAB61B4	NUM	3		1189		COMPLETE BLOOD COUNTS PERFORMED
325	LAB61B5	NUM	3		1192		SEDIMENTATION TESTS PERFORMED
30B	LAB62A	NUM	3		1132		PRACTICE PERFORMS MULTICHANNEL TESTS
309	LAB62AA	NUM	3		1135		# DIFFERENT MULTICHANNEL TESTS PERFORMED
310	LAB62AB	NUM	3		1138		MULTICHANNEL TESTS PERFORMED DISCRETELY
326	LAB62B	NUM	3		1195		PRACTICE PERFORMS MULTICHANNEL TESTS
327	LAB62BA	NUM	3		1198		# DIFFERENT MULTICHANNEL TESTS PERFORMED
32B	LAB62BB	NUM	3		12D1		MULTICHANNEL TESTS PERFORMED DISCRETELY
349	LAB63	NUM	3		1282		PCT OF GROSS REV FROM LAB TEST IN OFC
350	LAB64	NUM	3		1285		R LAB PARTICIPATE IN EXTERNAL TESTING
351	LAB65A	NUM	3		1288		LAB PARTICIPATES IN CAP PROGRAM
352	LAB65B	NUM	3		1291		LAB PARTICIPATES IN OTHER PROGRAM
353	LAB66A	NUM	3		1294		R LAB CERTIFIED BY MEDICARE TITLE 1B
354	LAB66B	NUM	3		1297		R LAB CERTIFIED BY A STATE AGENCY
355	LAB66C	NUM	3		1300		R LAB CERTIFIED BY OTHR AGENCY/PROGRAM
356	LAB66D	NUM	3		1303		R LABORATORY NOT CERTIFIED
357	LAB67A	NUM	3		1306		TECHNICIAN USUALLY PERFORMS LAB TESTS
35B	LAB67B	NUM	3		1309		NURSE USUALLY PERFORMS LAB TESTS
359	LAB67C	NUM	3		1312		PHYSICIAN USUALLY PERFORMS LAB TESTS
360	LAB67E	NUM	3		1315		SOMEONE ELSE USUALLY PERFORMS LAB TESTS
361	LAB6B	NUM	3		131B		STAFF MEMBERS CERTIFIED BY ASCP
9B	MAL31	NUM	4		332		OWN MALPRACTICE INSURANCE PAID IN 198B
99	MAL32	NUM	4		336		AMOUNT PAID TO PATIENT COMPENSATION FUND
10D	MAL33	NUM	3		34D		HOSPITAL PAYS R'S MALPRACTICE INSURANCE
1D1	MAL33A	NUM	4		343		TOTL MALPRACTICE INSURANCE HOSPITAL PAID
102	MAL34	NUM	3		347		HOSPITAL PROVIDE COVERAGE OR NOT INSURED
103	MAL34A	NUM	3		350		YEAR DISCONTINUED MALPRACTICE INSURANCE
1D4	MAL35	NUM	3		353		LIMIT PER CASE ON MALPRACTICE POLICIES
142	MAL35R	NUM	5		473		LIMIT PER CASE ON MAL POLICIES-CONT VAR
106	MAL36	NUM	3		361		TOTAL LIMIT ON ALL MALPRACTICE POLICIES
143	MAL36R	NUM	5		47B		TOTAL LIMIT ALL MAL POLICIES-CONTINUOUS
10B	MAL37	NUM	3		369		DOES R HAVE AN UMBRELLA POLICY
109	MAL37A	NUM	3		372		LIMIT ON R'S UMBRELLA POLICY
116	MEDBX21B	NUM	3		393		PERCENTAGES REPORTED COMBINED/SEPARATELY
117	MEDBX21C	NUM	3		396		PERCENTAGES INDIVIDUAL OR PRACTICE LEVEL
139	MEDHRS	NUM	3		464		PHYS. HOURS SPENT ON MEDICAL ACTIVITIES
145	MEDICAID	NUM	3		486		PHYSICIAN HAS ANY MEDICAID PATIENTS
144	MEDICARE	NUM	3		483		PHYSICIAN HAS ANY MEDICARE PATIENTS
11D	MED38A	NUM	3		375		% OF REVENUES FROM UNINSURED PATIENTS
111	MED38B	NUM	3		378		% OF REVENUES FROM MEDICARE PART B
112	MED38C	NUM	3		381		% OF REVENUES FROM MEDICAID
113	MED38D	NUM	3		384		% OF REVENUES FROM PRIVATE BLUE SHIELD
114	MED38E	NUM	3		387		% REVENUES FROM OTH PRIVATE HEALTH PLANS
115	MED38F	NUM	3		39D		% OF REVENUES FROM OTHER SOURCES SPECIFY
118	MED38G	NUM	3		399		% OF MEDICARE HAD SUPPLEMENTAL INSURANCE
119	MED38H	NUM	3		402		% OF MEDICARE CASES COVERED BY MEDICAID
120	MED39	NUM	3		4D5		SIGN MEDICARE AGREEMENT IN APRIL 198B
121	MED40	NUM	3		4D8		SIGN MEDICARE AGREEMENT IN JANUARY 1989
122	MED40B	NUM	3		411		% OF MEDICARE ACCEPTED ON ASSIGNMENT
123	MED40C	NUM	3		414		% NON-ASSIGNED MEDICARE COLLECT IN FULL
124	MED41A	NUM	3		417		% BILL TO INSURER OR MEDICAID DIRECTLY
125	MED41B	NUM	3		42D		% BILL TO THE PATIENT DIRECTLY
126	MED41C	NUM	3		423		% BILL TO PATIENT FOR THE DEDUCTIBLE
127	MED41D	NUM	3		426		% BILL TO PATIENT FOR THE COINSURANCE
12B	MED42	NUM	3		429		% OF DEDUCTIBLE & COINSURANCE R COLLECT
394	MODE	NUM	B		1557		DATA CAPTURE METHOD
397	MULTSPEC	NUM	B		1581		MEMBER OF MULTISPECIALTY GROUP
149	NET	NUM	8		501		PERSONAL NET INCOME AS CONTINUOUS VAR
396	OVHDCOST	NUM	B		1573		TOTAL OVERHEAD COSTS
24	PRD10A	NUM	3		77		HRS SPENT WITH PATIENTS IN THE OFFICE
25	PRD10B	NUM	3		8D		HRS SPENT TREATING PATIENT IN HOSPITAL
26	PRD10C	NUM	3		83		HRS SPENT ON OPERATIONS/SURGICAL ASSISTS
27	PRD10D	NUM	3		86		HRS SPENT ON REGULAR HOSPITAL ROUNDS
28	PRD10E	NUM	3		89		HRS SPENT ON OTHER MEDICAL ACTIVITIES
29	PRD11A	NUM	3		92		# OF PATIENTS SEEN IN R'S OFFICE LAST WK
30	PRD11B	NUM	3		95		# OF PATIENTS SEEN IN HOSPITAL LAST WK
31	PRD11C	NUM	3		98		# OF OPERATIONS AND ASSISTS LAST WK
32	PRD11C1	NUM	3		101		# OF OPERATIONS ON AN OUTPATIENT BASIS
33	PRD11C2	NUM	3		104		PERFORM OPs IN FREESTANDING SURG FACIL
34	PRD11D	NUM	3		107		# OF INPATIENTS SEEN ON HOSPITAL ROUNDS



Although the basic stratification methodologies were very similar for the three surveys, the strata were not completely comparable for all three years. For example, the 1983 survey included separate strata for pediatrics and pathology, whereas the 1988 survey included these specialties in "other medical" and "other specialty", respectively. All three surveys include weights to compensate for the over- and undersampling of cases among the strata.

#### 4.4 Comparability of Survey Elements

Differences in the types of questions asked, who was asked them, and the exact wording of questions must be considered when comparing the three years. Comparability problems are much less of an issue for questions on personal characteristics, such as age, sex, and board certification, or practice characteristics, such as size, hours worked, and Medicare caseload. For these three surveys, the data elements of particular concern are specialty (because of the 1978 restrictions) and the expense measures (because of variations in wording).

Because of the exclusions from the 1978 survey, care must be taken comparing specialty groups across years. A specialty crosswalk was developed to map specialties across each survey (Exhibit 4-2). In interpreting this crosswalk, the user should keep in mind that the 1978 survey was the most restrictive of the three (particularly with regard to specialty). Therefore, the first column, which lists all of the 1978 eligible specialties, represents the greatest number of specialty categories available to one wishing to compare all three years. Exhibit 4-2 also contains the specialty names and codes from the later surveys that directly compare to those of the 1978 survey. From this cross-walk, it would be possible to create a specialty variable that is consistent across years. For a list of all of the specialties that were excluded from the 1978 PPCIS, refer to Exhibit 4-3.\* Exhibit 4-3 also provides lists of 1983 and 1988 specialty codes corresponding to the excluded 1978 specialties.

Besides differences in specialty, the surveys differ somewhat in the wording and "goal" of particular questions; that is, subtle changes in the wording of questions can cause the respondent to provide very different information, regardless of whether the change in wording was intentional. Fortunately, one of the design considerations of the later surveys was to ensure some degree of item-level comparability. However, some survey elements compare across years better than others. Such "element comparability" questions are best resolved by the researcher, with a particular research objective in mind.

All three surveys gathered similar information pertaining to physician characteristics and productivity (Exhibit 4-4). There is some leeway in calculating "full-time equivalent" (FTE) physicians. All three surveys ask for the number of part-time physicians; we divide this number by three to formulate an FTE measure for the practice.

Close attention must be paid to the wording of expense questions; however, the groupings presented in Exhibit 5-4 reflect our efforts in "maximizing" comparability. There will always be room for interpretation in deciding which category contained a particular expense item in each year. For instance, the absence of an "other" category in 1983 raises questions about

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\*Methodological information concerning the 1978 PPCIS is scant. However, based on published material that relied primarily on the 1978 PPCIS, it is clear that only the 18 specialties were included in the survey (See Mitchell et. al., 1981). Records were abstracted from the sampling frame (AMA Physician Masterfile) for only the 18 specialties. During the interview, if a physician reported that he or she practiced a specialty other than one of the 18, the interview was discontinued. Furthermore, if a physician stated that his or her primary specialty was a subspecialty of one of the 18 (e.g., pulmonary disease, which is a subspecialty of internal medicine), the interview was discontinued.

APPENDIX III-C

*UNWEIGHTED FREQUENCIES*



\*\*\* UNWEIGHTED \*\*\*

IO NUMBER OF RESPONDOENT

IO	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	3505	100.0	3505	100.0

WEIGHTING VARIABLE

WTVAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	3505	100.0	3505	100.0

THREE SAMPLE VARIABLES

CELL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	3505	100.0	3505	100.0

DOCTOR'S UNCOLLAPSED SPECIALTY

SPECIAL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GENL PRACTICE	135	3.9	135	3.9
FAMILY PRACTICE	297	8.5	432	12.3
INTERNAL MED	373	10.6	805	23.0
CV OISEASE	143	4.1	948	27.0
GASTROENTEROLGY	145	4.1	1093	31.2
ALLERGY	7	0.2	1100	31.4
ALLRGY & IMMUN	8	0.2	1108	31.6
OERMATOLOGY	43	1.2	1151	32.8
DIABETES	3	0.1	1154	32.9
ENOOCRINOLOGY	4	0.1	1158	33.0
GERIATRICS	1	0.0	1159	33.1
HEMATOLOGY	6	0.2	1165	33.2
INFECTIOUS DIS	7	0.2	1172	33.4
NEPHROLOGY	14	0.4	1186	33.8
NEO-PERINATAL	11	0.3	1197	34.2
ONCOLOGY	23	0.7	1220	34.8
PEDIATRICS	127	3.6	1347	38.4
PEDIATRC ALLRGY	2	0.1	1349	38.5
PEOIATRIC CARO	1	0.0	1350	38.5
PEDS HEMAT-ONC	1	0.0	1351	38.5
PULMONARY DIS	25	0.7	1376	39.3
RHEUMATOLOGY	9	0.3	1385	39.5
ABOOMINAL SURG	2	0.1	1387	39.6
GENERAL SURGERY	218	6.2	1605	45.8
PEDIATRIC SURG	1	0.0	1606	45.8
HANO SURGERY	7	0.2	1613	46.0
ORTHOPEDIC SRG	142	4.1	1755	50.1
OPHTHALMOLOGY	171	4.9	1926	55.0
UROLOGICAL SRG	182	5.2	2108	60.1
GYNECOLOGY	23	0.7	2131	60.8
OB/GYN	246	7.0	2377	67.8
OBSTETRICS	1	0.0	2378	67.8
GYN ONCOLOGY	1	0.0	2379	67.9
CV SURGERY	99	2.8	2478	70.7
THORACIC SURG	62	1.8	2540	72.5
COLON/RECT SRG	5	0.1	2545	72.6
FACIAL PLASTIC	1	0.0	2546	72.6
HEAO/NECK SURG	3	0.1	2549	72.7
NEUROLOGIC SRG	25	0.7	2574	73.4
OTORHINOLARYNG	90	2.6	2664	76.0
PLASTIC SURG	43	1.2	2707	77.2
VASCULAR SURG	11	0.3	2718	77.5
CHILD PSYCH	24	0.7	2742	78.2
PSYCHIATRY	171	4.9	2913	83.1
PSYCHOANALYSIS	12	0.3	2925	83.5
ANESTHESIOLOGY	216	6.2	3141	89.6
DIAG RADIOLOGY	100	2.9	3241	92.5
NUCLEAR MEO	6	0.2	3247	92.6
NUCLEAR RAD	1	0.0	3248	92.7





\*\*\* UNWEIGHTED \*\*\*

REGION OF THE COUNTRY (4 CENSUS REGIONS)

REGION	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NORTHEAST	726	20.7	726	20.7
MIDWEST	780	22.3	1506	43.0
SOUTH	1236	35.3	2742	78.2
WEST	763	21.8	3505	100.0

THREE LEVELS OF URBANICITY

SMSASIZ	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NON SMSA	845	24.1	845	24.1
SMALL SMSA	1636	46.7	2481	70.8
LARGE SMSA	1024	29.2	3505	100.0

URBAN, RURAL DICHOTOMY

SMSA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NON SMSA	845	24.1	845	24.1
SMSA	2660	75.9	3505	100.0

R FULL/PART-OWNER OF MAIN PRACTICE IN 88

SCR5A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	419	12.0	419	12.0
YES	3086	88.0	3505	100.0

EMPLOYED BY A PHYSICIAN/GROUP PHYSICIANS

SCR5B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	3079	87.8	3079	87.8
YES	426	12.2	3505	100.0

EMPLOYED BY FACULTY PRACTICE PLAN IN 88

SCR5C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	3494	99.7	3494	99.7
YES	11	0.3	3505	100.0

EMPLOYED BY A HOSPITAL IN 88

SCR5D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	3490	99.6	3490	99.6
YES	15	0.4	3505	100.0

EMPLOYED BY A CLINIC OR HMO IN 88

SCR5E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	3488	99.5	3488	99.5
YES	17	0.5	3505	100.0

EXHIBIT 4-2  
1978, 1983, AND 1988 PPCIS SPECIALTY CROSSWALK

1978  
V2,V4 (a)

1983  
SPECIAL

1988  
SPECIAL

GENERAL PRACTICE:

General Practice/Family Practice (06)      General Practice (16)  
Family Practice (14)      Family Practice (1)

MEDICAL SPECIALTIES:

Internal Medicine (08)	Internal Medicine (24)	Internal Medicine (3)
Cardiovascular Disease (03)	Cardiovascular Disease (8)	Cardiovascular Disease (4)
Gastroenterology (05)	Gastroenterology (15)	Gastroenterology (5)
Pediatrics (16)	Pediatrics (47)	Pediatrics (20)
Allergy (01)	Allergy (3)	Allergy (6)
Dermatology (04)	Dermatology (9)	Dermatology (9)

SURGICAL SPECIALTIES:

General Surgery (07)	General Surgery (70)	General Surgery (29)
Orthopedic Surgery (14)	Orthopedic Surgery (75)	Orthopedic Surgery (32)
Ophthalmology (13)	Ophthalmology (40)	Ophthalmology (33)
Urological Surgery (18)	Urological Surgery (80)	Urological Surgery (34)
Obstetrics/Gynecology (12)	Obstetrics/Gynecology (37) Obstetrics (36) Gynecology (19)	Obstetrics/Gynecology (37) Obstetrics (38) Gynecology (36)

\*\*\* UNWEIGHTED \*\*\*

HRS WORKED DURING RECENT WK OF PRACTICE

PRD9A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
OUT OF RANGE	2	0.1	4	0.1
VALID VALUES	3501	99.9	3505	100.0

TOTAL HRS SPENT ON ADMINISTRATIVE DUTIES

PRD9B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5	0.1	5	0.1
NONE	467	13.3	472	13.5
VALID VALUES	3033	86.5	3505	100.0

R'S WEEK AVERAGE IN TERMS OF WORKING HRS

PRD9D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MAIL QUEST.	10	0.3	11	0.3
MISSING	2	0.1	13	0.4
AVERAGE	2803	80.0	2816	80.3
MORE	418	11.9	3234	92.3
LESS	271	7.7	3505	100.0

HRS SPENT WITH PATIENTS IN THE OFFICE

PRD10A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	2	0.1	2	0.1
DONT KNOW	6	0.2	8	0.2
MISSING	2	0.1	10	0.3
REFUSAL	1	0.0	11	0.3
UNCODEABLE	1	0.0	12	0.3
VALID SKIP	445	12.7	457	13.0
NONE	99	2.8	556	15.9
VALID VALUES	2949	84.1	3505	100.0

HRS SPENT TREATING PATIENT IN HOSPITAL

PRD10B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	3	0.1	3	0.1
DONT KNOW	13	0.4	16	0.5
MISSING	8	0.2	24	0.7
REFUSAL	1	0.0	25	0.7
VALID SKIP	445	12.7	470	13.4
NONE	1161	33.1	1631	46.5
VALID VALUES	1874	53.5	3505	100.0

HRS SPENT ON OPERATIONS/SURGICAL ASSISTS

PRD10C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	8	0.2	8	0.2
DONT KNOW	13	0.4	21	0.6
MISSING	6	0.2	27	0.8
REFUSAL	1	0.0	28	0.8
UNCODEABLE	1	0.0	29	0.8
VALID SKIP	445	12.7	474	13.5
NONE	1449	41.3	1923	54.9
VALID VALUES	1582	45.1	3505	100.0



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EXHIBIT 4-3  
SPECIALTIES EXCLUDED FROM THE 1978 PPCIS

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<u>Excluded Specialty</u>	<u>1983 Specialty Code</u>	<u>1988 Specialty Code</u>
<b>MEDICAL SPECIALTIES:</b>		
Adolescent Medicine	1	8
Allergy and Immunology	4	7
Diabetes	11	10
Endocrinology	13	11
Geriatrics	18	12
Gynecology Oncology	(a)	39
Hematology	20	13
Immunology	22	15
Infectious Diseases	23	14
Nephrology	29	16
Nutrition	35	18
Oncology	39	19
Pediatric Allergy	48	21
Pediatric Cardiology	49	22
Pediatric Endocrinology	50	23
Pediatric Hematology-Oncology	51	24
Pediatric Nephrology	52	25
Neonatal-Perinatal Medicine	27	17
Pulmonary Diseases	60	26
Rheumatology	65	27
<b>SURGICAL SPECIALTIES:</b>		
Cardiovascular Surgery	68	41
Thoracic Surgery	78	42
Plastic Surgery	77	48
Maxillofacial Surgery	73	44
Head and Neck Surgery	72	45
Colon & Rectal Surgery	69	43
Traumatic Surgery	79	49
Vascular Surgery	(a)	50
Pediatric Surgery	76	30
Abdominal Surgery	67	28
Hand Surgery	71	31
<b>OTHER SPECIALTIES:</b>		
Emergency Medicine	12	61
General Preventive Medicine	14	62
Neurology	30	63
Child Neurology	31	60
Occupational Medicine	38	64
Nuclear Medicine	33	56
Psychoanalysis	57	53
Psychosomatic Medicine	58	(a)
Physical Medicine and Rehabilitation	54	68
Public Health	59	67
Other Specialties	81	65
Unspecified Specialties	82	69

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(a) There was no separate category coded in 1983.

Source: 1978, 1983, and 1988 Physicians' Practice Costs and Income Surveys.

\*\*\* UNWEIGHTED \*\*\*

# OF OPERATIONS ON AN OUTPATIENT BASIS

PRO11C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	17	0.5	17	0.5
MAIL QUEST.	10	0.3	27	0.8
MISSING	26	0.7	53	1.5
UNCOOEABLE	5	0.1	58	1.7
VALIO SKIP	473	13.5	531	15.1
0	1889	53.9	2420	69.0
1	155	4.4	2575	73.5
2	175	5.0	2750	78.5
3	136	3.9	2886	82.3
4	110	3.1	2996	85.5
5	98	2.8	3094	88.3
6	82	2.3	3176	90.6
7	44	1.3	3220	91.9
8	74	2.1	3294	94.0
9	29	0.8	3323	94.8
10	62	1.8	3385	96.6
11	4	0.1	3389	96.7
12	20	0.6	3409	97.3
13	10	0.3	3419	97.5
14	7	0.2	3426	97.7
15	28	0.8	3454	98.5
16	7	0.2	3461	98.7
17	3	0.1	3464	98.8
18	5	0.1	3469	99.0
19	1	0.0	3470	99.0
20	14	0.4	3484	99.4
21	2	0.1	3486	99.5
22	1	0.0	3487	99.5
23	1	0.0	3488	99.5
24	2	0.1	3490	99.6
25	6	0.2	3496	99.7
30	1	0.0	3497	99.8
32	1	0.0	3498	99.8
40	2	0.1	3500	99.9
49	1	0.0	3501	99.9
50	1	0.0	3502	99.9
82	1	0.0	3503	99.9
100	1	0.0	3504	100.0
283	1	0.0	3505	100.0

PERFORM OPs IN FREESTANDING SURG FACIL

PRO11C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	12	0.3	12	0.3
MAIL QUEST.	10	0.3	22	0.6
MISSING	27	0.8	49	1.4
VALIO SKIP	2362	67.4	2411	68.8
NO	851	24.3	3262	93.1
YES	243	6.9	3505	100.0

# OF INPATIENTS SEEN ON HOSPITAL ROUNOS

PRO110	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
OONT KNOW	38	1.1	39	1.1
MISSING	15	0.4	54	1.5
UNCODEABLE	2	0.1	56	1.6
VALIO SKIP	493	14.1	549	15.7
NONE	814	23.2	1363	38.9
VALIO VALUES	2142	61.1	3505	100.0

197819831988

**PRACTICE EXPENSES  
CONTINUED:**

Other Forms of Compensation	<p>Q.50A = Additional percentage contributed to fringe benefits for non-physician employees</p> <p>Q.55 = Pension and retirement plans for the physician</p>	<p>Q.56 = Fringe benefits for entire practice</p> <p>Q.57 Health and life insurance, pensions, profit sharing, and other for the physician</p>	<p>Fringe benefits for: Q.16B = all physicians Q.17B = physician employees Q.18B = non-physician employees</p> <p>Deferred compensation, bonuses, pension, and profit sharing for: Q.16A = all physicians Q.17A = physician employees Q.18A = non-physician employees</p>
Malpractice Expenses	Q.58B = all members of the practice	Q.61 = all members of the practice	Q.23 = all members of the practice
Amount of Malpractice Insurance Paid by Hospital	N/A	Q.59	Q.33A
Other Expenses, not elsewhere classified	Q.59 = Automobile Expense	N/A	Q.24, Q.25, Q.26 = Automobile, Continuing Education, and Miscellaneous Expenses
Total Expenses/ Total Practice Deductions	Q.54 = Self-employed Q.57 = Employed or can be constructed	Q.63 or can be constructed	TOTCOST OVHDCOST

**NET INCOME:**

Income	Q.60 = Physician net income from medical practices after practice deductions, but before taxes	Q.64 = Physician net income from all medical practices after practice deductions, but before taxes	Q.29 = Physician personal net income from all medical activities after practice deductions, but before taxes
Income from Other Medical Activities	Q.61 = Percentage of income from medical activities other than main practice	Q.65 = Percentage of income from medical activities other than main practice	<p>Q.30 = Percentage of income from medical activities other than main practice</p> <p>Q.30A = Dollar amount of income from medical activities other than main practice</p>

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Source: 1978, 1983, and 1988 Physicians' Practice Costs and Income Surveys.

\*\*\* UNWEIGHTED \*\*\*

# OF SOCIAL WORKER R'S PRACTICE EMPLOYEO

SIZ15A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MAIL QUEST.	2	0.1	2	0.1
MISSING	1	0.0	3	0.1
VALID SKIP	3297	94.1	3300	94.2
NONE	172	4.9	3472	99.1
VALID VALUES	33	0.9	3505	100.0

# OF SOCIAL WORKERS WHO WORK 20 HRS A WK

SIZ15A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	3472	99.1	3472	99.1
NONE	4	0.1	3476	99.2
VALID VALUES	29	0.8	3505	100.0

# OF CRNAs R'S PRACTICE EMPLOYED IN 88

SIZ15B1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	3290	93.9	3290	93.9
NONE	139	4.0	3429	97.8
VALID VALUES	76	2.2	3505	100.0

# OF CRNAs WHO WORK 20 HRS A WK

SIZ15B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	1	0.0	1	0.0
VALID SKIP	3429	97.8	3430	97.9
NONE	2	0.1	3432	97.9
VALID VALUES	73	2.1	3505	100.0

# OF RNs R'S PRACTICE EMPLOYED IN 88

SIZ15C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	30	0.9	30	0.9
MAIL QUEST.	10	0.3	40	1.1
MISSING	12	0.3	52	1.5
REFUSAL	2	0.1	54	1.5
UNCOOEABLE	3	0.1	57	1.6
VALID SKIP	328	9.4	385	11.0
NONE	1815	51.8	2200	62.8
VALID VALUES	1305	37.2	3505	100.0

# OF RNs WHO WORK 20 HRS A WK

SIZ15C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	6	0.2	6	0.2
MISSING	9	0.3	15	0.4
VALID SKIP	2200	62.8	2215	63.2
NONE	60	1.7	2275	64.9
VALID VALUES	1230	35.1	3505	100.0





\*\*\* UNWEIGHTED \*\*\*

# OF PAs/NPs WHO WORK 20 HRS/WEEK

SIZ15F2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	2	0.1	3	0.1
MISSING	5	0.1	8	0.2
VALID SKIP	3044	86.8	3052	87.1
NONE	27	0.8	3079	87.8
VALID VALUES	426	12.2	3505	100.0

# OF OTHER PT CARE EMPS IN Rs PRACTICE

SIZ15G1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	32	0.9	32	0.9
MAIL QUEST.	10	0.3	42	1.2
MISSING	13	0.4	55	1.6
REFUSAL	2	0.1	57	1.6
UNCODEABLE	2	0.1	59	1.7
VALID SKIP	328	9.4	387	11.0
NONE	2818	80.4	3205	91.4
VALID VALUES	300	8.6	3505	100.0

# OF OTH PT CARE EMPS WHO WORK 20 HRS/WK

SIZ15G2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	5	0.1	8	0.2
VALID SKIP	3205	91.4	3213	91.7
NONE	21	0.6	3234	92.3
VALID VALUES	271	7.7	3505	100.0

# OF CLERICAL STAFF R'S PRACTICE EMPLOYD

SIZ15H1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	34	1.0	34	1.0
MAIL QUEST.	10	0.3	44	1.3
MISSING	12	0.3	56	1.6
OUT OF RANGE	4	0.1	60	1.7
REFUSAL	2	0.1	62	1.8
UNCODEABLE	6	0.2	68	1.9
VALID SKIP	328	9.4	396	11.3
NONE	115	3.3	511	14.6
VALID VALUES	2994	85.4	3505	100.0

# OF CLERICAL STAFF WHO WORK 20 HRS A WK

SIZ15H2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	53	1.5	61	1.7
OUT OF RANGE	1	0.0	62	1.8
VALID SKIP	511	14.6	573	16.3
NONE	102	2.9	675	19.3
VALID VALUES	2830	80.7	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

FRINGE BENEFITS COMBINED W/TOTAL WAGES

CDS8X9A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DDNT KNOW	11	0.3	11	0.3
MISSING	42	1.2	53	1.5
REFUSAL	5	0.1	58	1.7
VALID SKIP	419	12.0	477	13.6
NO	2710	77.3	3187	90.9
YES	318	9.1	3505	100.0

BNFTS COMBINED W/DEFERRED COMPENSATION

COS8X9A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	23	0.7	23	0.7
MISSING	51	1.5	74	2.1
REFUSAL	26	0.7	100	2.9
VALID SKIP	419	12.0	519	14.8
NO	2905	82.9	3424	97.7
YES	81	2.3	3505	100.0

TOTAL WAGES FOR PHYSICIAN EMPLOYEES 88

COS17	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	79	2.3	79	2.3
DDNT KNOW	19	0.5	98	2.8
MISSING	8	0.2	106	3.0
REFUSAL	28	0.8	134	3.8
UNCODEABLE	2	0.1	136	3.9
VALID SKIP	426	12.2	562	16.0
NONE	2502	71.4	3064	87.4
VALID VALUES	441	12.6	3505	100.0

TOTAL SPENT FOR MD EMPs DEFERRED COMP

CDS17A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	132	3.8	132	3.8
DDNT KNOW	29	0.8	161	4.6
MISSING	10	0.3	171	4.9
REFUSAL	30	0.9	201	5.7
UNCODEABLE	3	0.1	204	5.8
VALID SKIP	426	12.2	630	18.0
NONE	2744	78.3	3374	96.3
VALID VALUES	131	3.7	3505	100.0

TOTAL SPENT FOR MD EMPs FRINGE BENEFITS

CDS178	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	134	3.8	134	3.8
DDNT KNOW	36	1.0	170	4.9
MISSING	9	0.3	179	5.1
REFUSAL	29	0.8	208	5.9
UNCODEABLE	3	0.1	211	6.0
VALID SKIP	426	12.2	637	18.2
NONE	2592	74.0	3229	92.1
VALID VALUES	276	7.9	3505	100.0





\*\*\* UNWEIGHTED \*\*\*

TOTAL SPENT NON-PHYSICIAN DEFERRED COMP

COS18A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	408	11.6	408	11.6
OONT KNOW	82	2.3	490	14.0
MISSING	6	0.2	496	14.2
REFUSAL	83	2.4	579	16.5
UNCODEABLE	2	0.1	581	16.6
VALIO SKIP	419	12.0	1000	28.5
NONE	1318	37.6	2318	66.1
VALID VALUES	1187	33.9	3505	100.0

TOTAL SPENT NON-PHYSICIAN FRINGE BENEFIT

COS18B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	352	10.0	352	10.0
OONT KNOW	97	2.8	449	12.8
MISSING	5	0.1	454	13.0
REFUSAL	87	2.5	541	15.4
UNCOOEABLE	3	0.1	544	15.5
VALIO SKIP	419	12.0	963	27.5
NONE	769	21.9	1732	49.4
VALID VALUES	1773	50.6	3505	100.0

PROVIDED SEPARATELY AS ASKED

COSB13A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	33	0.9	33	0.9
MISSING	58	1.7	91	2.6
REFUSAL	51	1.5	142	4.1
VALIO SKIP	689	19.7	831	23.7
NO	520	14.8	1351	38.5
YES	2154	61.5	3505	100.0

DEFERREO COMP COMBINEO WTH TOTAL WAGES

COSB13A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	31	0.9	31	0.9
MISSING	57	1.6	88	2.5
REFUSAL	52	1.5	140	4.0
VALIO SKIP	689	19.7	829	23.7
NO	2413	68.8	3242	92.5
YES	263	7.5	3505	100.0

FRINGE BENEFITS COMBINEO W/TOTAL WAGES

COSB13A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	31	0.9	31	0.9
MISSING	57	1.6	88	2.5
REFUSAL	51	1.5	139	4.0
VALIO SKIP	689	19.7	828	23.6
NO	2492	71.1	3320	94.7
YES	185	5.3	3505	100.0

----LIST OF VARIABLES AND ATTRIBUTES BY POSITION----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
78	COS19	NUM	3	254			IN 1988 OIO R RENT OR OWN OFFICE SPACE
79	COS19A	NUM	4	257			YEARLY OFFICE SPACE RENTAL OR LEASE COST
80	COS198	NUM	4	261			1988 OEPRECIATION COST FOR OFFICE SPACE
81	COS19C	NUM	3	265			RENTAL/LEASE INCLUOE UTILITIES/TELEPHONE
82	COS190	NUM	4	268			EXPENSES FOR UTILITIES/TELEPHONE IN 1988
83	COS19E	NUM	4	272			TOTAL SQUARE FOOTAGE OF OFFICE SPACE
84	COS19F	NUM	8	276			COST PER SQUARE FOOT FOR OFFICE SPACE
85	COS20	NUM	3	284			REASON FOR NO EXPENSES FOR OFFICE SPACE
86	COS21	NUM	4	287			MEOICAL EQUIPMENT DEPRECIATION EXPENSES
87	COS22	NUM	4	291			ANNUAL EXPENSES FOR ALL MEOICAL SUPPLIES
88	COSBOX16	NUM	3	295			OFFICE SUPPLIES INCLUDED IN COS22
89	COS23	NUM	4	298			MALPRACTICE INSURANCE COST ALL MEMBERS
90	COS24	NUM	4	302			AUTOMOBILE UPKEEP AND OEPRECIATION COST
91	COS25	NUM	4	306			CONTINUING EDUCATION EXPENSES FOR 1988
92	COS26	NUM	4	310			COST FOR MISCELLANEOUS ITEMS IN 1988
93	INC29A	NUM	4	314			R'S OWN PERSONAL NET INCOME IN 1988
94	INC29B	NUM	3	318			RANGE FOR PERSONAL NET INCOME
95	INC29C	NUM	4	321			HOW MUCH WAS PERSONAL NET INCOME >\$500K
96	INC30	NUM	3	325			NET INCOME % FRM OTHER MEDICAL PRACTICES
97	INC30A	NUM	4	328			APPROX INCOME NOT FROM MAIN PRACTICE
98	MAL31	NUM	4	332			OWN MALPRACTICE INSURANCE PAIO IN 1988
99	MAL32	NUM	4	336			AMOUNT PAIO TO PATIENT COMPENSATION FUNO
100	MAL33	NUM	3	340			HOSPITAL PAYS R'S MALPRACTICE INSURANCE
101	MAL33A	NUM	4	343			TOTL MALPRACTICE INSURANCE HOSPITAL PAIO
102	MAL34	NUM	3	347			HOSPITAL PROVIOE COVERAGE OR NOT INSURED
103	MAL34A	NUM	3	350			YEAR DISCONTINUEO MALPRACTICE INSURANCE
104	MAL35	NUM	3	353			LIMIT PER CASE ON MALPRACTICE POLICIES
105	Q35VERB	NUM	5	356			LIMIT PER CASE ON MALPRACTICE (OTHER)
106	MAL36	NUM	3	361			TOTAL LIMIT ON ALL MALPRACTICE POLICIES
107	Q36VER8	NUM	5	364			TOTAL LIMIT ON MALPRACTICE (OTHER)
108	MAL37	NUM	3	369			OEOES R HAVE AN UMBRELLA POLICY
109	MAL37A	NUM	3	372			LIMIT ON R'S UMBRELLA POLICY
110	ME038A	NUM	3	375			% OF REVENUES FROM UNINSURED PATIENTS
111	MED38B	NUM	3	378			% OF REVENUES FROM MEIOICARE PART 8
112	ME038C	NUM	3	381			% OF REVENUES FROM MEDICAIO
113	ME0380	NUM	3	384			% OF REVENUES FROM PRIVATE BLUE SHIELD
114	ME038E	NUM	3	387			% REVENUES FROM OTH PRIVATE HEALTH PLANS
115	ME038F	NUM	3	390			% OF REVENUES FROM OTHER SOURCES SPECIFY
116	MEDBX218	NUM	3	393			PERCENTAGES REPORTED COMBINEO/SEPARATELY
117	MEDBX21C	NUM	3	396			PERCENTAGES INDIVIOUAL OR PRACTICE LEVEL
118	ME038G	NUM	3	399			% OF MEIOICARE HAO SUPPLEMENTAL INSURANCE
119	ME038H	NUM	3	402			% OF MEIOICARE CASES COVEREO BY MEIOICAIO
120	ME039	NUM	3	405			SIGN MEIOICARE AGREEMENT IN APRIL 1988
121	MED40	NUM	3	408			SIGN MEDICARE AGREEMENT IN JANUARY 1989
122	ME040B	NUM	3	411			% OF MEIOICARE ACCEPTEO ON ASSIGNMENT
123	MED40C	NUM	3	414			% NON-ASSIGNEO MEDICARE COLLECT IN FULL
124	ME041A	NUM	3	417			% BILL TO INSURER OR MEDICAID DIRECTLY
125	ME041B	NUM	3	420			% BILL TO THE PATIENT DIRECTLY
126	MED41C	NUM	3	423			% BILL TO PATIENT FOR THE OEOUCTIBLE
127	MED410	NUM	3	426			% BILL TO PATIENT FOR THE COINSURANCE
128	ME042	NUM	3	429			% OF OEODUCTIBLE & COINSURANCE R COLLECT
129	OEM43	NUM	3	432			RACE OF RESPONOENT
130	AGE	NUM	3	435			AGE OF RESPONOENT (1988 - BIRTH YEAR)
131	AGE_R	NUM	3	438			RECOOEO AGE
132	SEX	NUM	3	441			RESPONOENT'S SEX
133	FMG	NUM	3	444			FOREIGN OR ODOMESTIC SCHOOL GRAUATE
134	BOAR01	NUM	3	447			FIRST BOARO CERTIFICATION
135	8OAR02	NUM	3	450			SECONO BOARO CERTIFICATION
136	PROXY	NUM	3	453			FINANCIAL INFORMATION PROVIOED BY PROXY
137	INTSTART	NUM	4	456			OATE INTERVIEW BEGAN
138	INTDATE	NUM	4	460			DATE INTERVIEW COMPLETED
139	MEDHRS	NUM	3	464			PHYS. HOURS SPENT ON MEDICAL ACTIVITIES
140	SOLO	NUM	3	467			PHYSICIAN A SOLO PRACTITIONER
141	INC29R	NUM	3	470			PERSONAL NET INCOME AS CATEGORICAL VAR
142	MAL35R	NUM	5	473			LIMIT PER CASE ON MAL POLICIES-CONT VAR
143	MAL36R	NUM	5	478			TOTAL LIMIT ALL MAL POLICIES-CONTINUOUS
144	MEDICARE	NUM	3	483			PHYSICIAN HAS ANY MEIOICARE PATIENTS
145	MEOICAID	NUM	3	486			PHYSICIAN HAS ANY MEDICAIO PATIENTS
146	INT69	NUM	4	489			WHO COMPLETED COST SECTION
147	INT69A	NUM	4	493			USE OF COST INFORMATION WORKSHEET
148	INT69B	NUM	4	497			INFO AT GROUP OR INDIVIOUAL LEVEL
149	NET	NUM	8	501			PERSONAL NET INCOME AS CONTINUOUS VAR
150	EQU44A	NUM	3	509			R OWNS/LEASES/RENDS X-RAY EQUPMNT
151	EQU44AA	NUM	3	512			R HAS INVESTMENT IN X-RAY EQUIPMENT
152	EQU45A1	NUM	3	515			X-RAY EQUIPMENT PURCHASEO
153	EQU45A2	NUM	3	518			X-RAY EQUIPMENT LEASEO

\*\*\* UNWEIGHTED \*\*\*

EXPENSES FOR UTILITIES/TELEPHONE IN 1988

COS19D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	13	0.4	13	0.4
DONT KNOW	72	2.1	85	2.4
MISSING	8	0.2	93	2.7
OUT OF RANGE	1	0.0	94	2.7
REFUSAL	30	0.9	124	3.5
VALID SKIP	421	12.0	545	15.5
NONE	379	10.8	924	26.4
VALID VALUES	2581	73.6	3505	100.0

TOTAL SQUARE FOOTAGE OF OFFICE SPACE

COS19E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	387	11.0	387	11.0
MAIL QUEST.	10	0.3	397	11.3
MISSING	79	2.3	476	13.6
NOT APPLICABLE	10	0.3	486	13.9
REFUSAL	31	0.9	517	14.8
UNCODEABLE	2	0.1	519	14.8
VALID SKIP	419	12.0	938	26.8
NONE	51	1.5	989	28.2
VALID VALUES	2516	71.8	3505	100.0

COST PER SQUARE FOOT FOR OFFICE SPACE

COS19F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MAIL QUEST.	10	0.3	10	0.3
MISSING	2	0.1	12	0.3
VALID SKIP	3108	88.7	3120	89.0
NONE	7	0.2	3127	89.2
VALID VALUES	378	10.8	3505	100.0

REASON FOR NO EXPENSES FOR OFFICE SPACE

COS20	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	11	0.3	12	0.3
VALID SKIP	3256	92.9	3268	93.2
OFFICE IN HOME	36	1.0	3304	94.3
FREE FROM HOSP.	125	3.6	3429	97.8
BLDG PAID OFF	17	0.5	3446	98.3
BLDG DEPRECIATED	27	0.8	3473	99.1
OTHER	32	0.9	3505	100.0

MEDICAL EQUIPMENT DEPRECIATION EXPENSES

COS21	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	55	1.6	55	1.6
DONT KNOW	290	8.3	345	9.8
MISSING	2	0.1	347	9.9
REFUSAL	38	1.1	385	11.0
UNCODEABLE	1	0.0	386	11.0
VALID SKIP	419	12.0	805	23.0
NONE	1075	30.7	1880	53.6
VALID VALUES	1625	46.4	3505	100.0



----LIST OF VARIABLES AND ATTRIBUTES BY POSITION----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
231	EQU49H	NUM	4	825			R SHARE OF ECG EQUIPMENT COSTS
232	EQU50H	NUM	6	829			MAINTENANCE COSTS FOR ECG EQUIPMENT
233	EQU51H	NUM	6	835			# TESTS PERFORMED USING ECG EQUIPMENT
234	EQU44I	NUM	3	841			R OWNS/LEASES/RENTS ECG EQUIPMENT
235	EQU44AI	NUM	3	844			R HAS ANY INVESTMENTS IN ECG EQUIPMENT
236	EQU45I1	NUM	3	847			CARDIOLOGISTS ECG EQUIPMENT PURCHASEO
237	EQU45I2	NUM	3	850			CARDIOLOGISTS - ECG EQUIPMENT LEASEO
238	EQU45I3	NUM	3	853			CARDIOLOGISTS - ECG EQUIPMENT RENTED
239	EQU47I	NUM	6	856			TOTAL COST OF ECG EQUIPMENT
240	EQU48I	NUM	3	862			ECG EQUIPMENT COSTS SHAREO
241	EQU49I	NUM	4	865			R SHARE OF ECG EQUIPMENT COSTS
242	EQU50I	NUM	6	869			MAINTENANCE COST FOR ECG EQUIPMENT
243	EQU51I	NUM	6	875			#TESTS PERFORMEO USING ECG EQUIPMENT
244	EQU44J	NUM	3	881			R OWNS/LEASES/RENTS STRESS TEST EQUIP
245	EQU44AJ	NUM	3	884			R HAS INVESTMENT STRESS TEST EQUIPMENT
246	EQU45J1	NUM	3	887			CARDIOVASCULAR EQUIPMENT PURCHASEO
247	EQU45J2	NUM	3	890			CARDIOVASCULAR EQUIPMENT LEASEO
248	EQU45J3	NUM	3	893			CARDIOVASCULAR EQUIPMENT RENTEO
249	EQU47J	NUM	6	896			TOTAL COST OF STRESS TEST EQUIPMENT
250	EQU48J	NUM	3	902			STRESS TEST EQUIPMENT COSTS SHAREO
251	EQU49J	NUM	4	905			R SHARE OF STRESS TEST EQUIP COSTS
252	EQU50J	NUM	6	909			MAINTENANCE COST: STRESS TEST EQUIPMENT
253	EQU51J	NUM	6	915			# TESTS OONE USING CARDIOVASCULAR EQUIP
254	EQU44K	NUM	3	921			R OWNS/LEASES BLOOO POOL IMAGERY EQUIP
255	EQU44AK	NUM	3	924			R HAS INVSTMNT: BLOOO POOL IMAGERY EQUIP
256	EQU45K1	NUM	3	927			MYOCAROIUM EQUIPMENT PURCHASEO
257	EQU45K2	NUM	3	930			MYOCAROIUM EQUIPMENT LEASEO
258	EQU45K3	NUM	3	933			MYOCAROIUM EQUIPMENT RENTED
259	EQU47K	NUM	6	936			TOTAL COST OF BLOOO POOL IMAGERY EQUIP
260	EQU48K	NUM	3	942			BLOOO POOL IMAGERY EQUIP COSTS SHAREO
261	EQU49K	NUM	4	945			R SHARE: BLOOO POOL IMAGERY EQUIP COST
262	EQU50K	NUM	6	949			MAINT. COSTS: BLOOO POOL IMAGERY EQUIP
263	EQU51K	NUM	6	955			# TESTS PERFORMO USING MYOCAROIUM EQUIP
264	EQU44L	NUM	3	961			R OWNS/LEASES/RENTS CT. SCAN EQUIPMENT
265	EQU44AL	NUM	3	964			R HAS INVESTMENT IN CT SCAN EQUIPMENT
266	EQU45L1	NUM	3	967			CT SCAN EQUIPMENT PURCHASEO
267	EQU45L2	NUM	3	970			RAOIOLOGISTS - CT SCAN EQUIPMNT LEASEO
268	EQU45L3	NUM	3	973			RADIOLOGISTS - CT SCAN EQUIPMENT RENTEO
269	EQU47L	NUM	6	976			TOTAL COST OF CT SCAN EQUIPMENT
270	EQU48L	NUM	3	982			CT SCAN EQUIPMENT COSTS SHARED
271	EQU49L	NUM	4	985			R SHARE OF CT SCAN EQUIPMENT COSTS
272	EQU50L	NUM	6	989			MAINTENANCE COST FOR CT SCAN EQUIPMENT
273	EQU51L	NUM	6	995			# TESTS PERFORMO USING CT SCAN EQUIPMNT
274	EQU44M	NUM	3	1001			R OWNS/LEASES/RENTS MAGNETIC RES EQUIP
275	EQU44AM	NUM	3	1004			R HAS INVESTMNT IN MAG RESONANCE EQUIP
276	EQU45M1	NUM	3	1007			RESONANCE IMAGING EQUIPMENT PURCHASEO
277	EQU45M2	NUM	3	1010			MAGNETIC RESONANCE IMAGING EQUIP LEASEO
278	EQU45M3	NUM	3	1013			MAGNETIC RESONANCE IMAGE EQUIPMNT RENTED
279	EQU47M	NUM	6	1016			TOTAL COST OF MAGNETIC RES IMAGING EQUIP
280	EQU48M	NUM	3	1022			MAGNETIC RES IMAGING EQUIP COST SHAREO
281	EQU49M	NUM	4	1025			R SHARE OF MAG RES IMAGERY EQUIP COSTS
282	EQU50M	NUM	6	1029			MAINTENANCE COSTS FOR MRI EQUIPMENT
283	EQU51M	NUM	6	1035			# TESTS WITH MRI EQUIPMENT
284	EQU44N	NUM	3	1041			R OWNS/LEASES/RENTS NUCLEAR SCAN EQUIP
285	EQU44AN	NUM	3	1044			R HAS INVESTMENT IN NUCLEAR SCAN EQUIP
286	EQU45N1	NUM	3	1047			NUCLEAR SCAN EQUIPMENT PURCHASEO
287	EQU45N2	NUM	3	1050			NUCLEAR SCAN EQUIPMENT LEASEO
288	EQU45N3	NUM	3	1053			NUCLEAR SCAN EQUIPMENT RENTEO
289	EQU47N	NUM	6	1056			TOTAL COST OF NUCLEAR SCAN EQUIPMENT
290	EQU48N	NUM	3	1062			NUCLEAR SCAN EQUIPMENT COSTS SHAREO
291	EQU49N	NUM	4	1065			R SHARE NUCLEAR SCAN EQUIPMENT COSTS
292	EQU50N	NUM	6	1069			MAINTENANCE COST FOR NUCLEAR SCAN EQUIP
293	EQU51N	NUM	6	1075			# TESTS OONE USING NUCLEAR SCAN EQUIPMNT
294	LAB54A	NUM	3	1081			R OWNS/LEASES/RENTS CLINICAL CHEM EQUIP
295	LAB54AA	NUM	3	1084			R HAS INVESTMENT IN CLINICAL CHEM EQUIP
296	LAB55A1	NUM	3	1087			CLINICAL CHEMISTRY EQUIPMENT PURCHASEO
297	LAB55A2	NUM	3	1090			CLINICAL CHEMISTRY EQUIPMENT LEASEO
298	LAB55A3	NUM	3	1093			CLINICAL CHEMISTRY EQUIPMENT RENTEO
299	LAB56A	NUM	6	1096			TOTAL COST OF CLINICAL CHEM. EQUIPMENT
300	LAB57A	NUM	3	1102			CLINICAL CHEMISTRY EQUIPMNT COSTS SHAREO
301	LAB58A	NUM	4	1105			R SHARE OF CLINICAL CHEM. EQUIP COSTS
302	LAB59A	NUM	6	1109			CLINICAL CHEM EQUIP MAINTENANCE COSTS
303	LAB60A	NUM	5	1115			# OF CLINICAL CHEMISTRY TESTS PERFORMEO
304	LAB61A1	NUM	3	1120			BLOOO URIC ACIO TESTS PERFORMEO
305	LAB61A2	NUM	3	1123			BLOOO UREA TESTS PERFORMEO
306	LAB61A3	NUM	3	1126			SERUM CHOLESTEROL TESTS PERFORMED
307	LAB61A4	NUM	3	1129			GLUCOSE TESTS PERFORMEO

\*\*\* UNWEIGHTED \*\*\*

COST FOR MISCELLANEOUS ITEMS IN 1988

COS26	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	14	0.4	14	0.4
OONT KNOW	126	3.6	140	4.0
MISSING	1	0.0	141	4.0
OUT OF RANGE	2	0.1	143	4.1
REFUSAL	39	1.1	182	5.2
VALIO SKIP	419	12.0	601	17.1
NONE	76	2.2	677	19.3
VALID VALUES	2828	80.7	3505	100.0

R'S OWN PERSONAL NET INCOME IN 1988

INC29A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	919	26.2	919	26.2
MISSING	2	0.1	921	26.3
REFUSAL	268	7.6	1189	33.9
NONE	3	0.1	1192	34.0
VALIO VALUES	2313	66.0	3505	100.0

RANGE FOR PERSONAL NET INCOME

INC29B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	49	1.4	49	1.4
MISSING	1	0.0	50	1.4
REFUSAL	224	6.4	274	7.8
VALIO SKIP	2316	66.1	2590	73.9
< \$30K	9	0.3	2599	74.2
\$30K - < \$40K	10	0.3	2609	74.4
\$40K - < \$50K	17	0.5	2626	74.9
\$50K - < \$60K	21	0.6	2647	75.5
\$60K - < \$70K	26	0.7	2673	76.3
\$70K - < \$80K	47	1.3	2720	77.6
\$80K - < \$90K	75	2.1	2795	79.7
\$90K - < \$100K	76	2.2	2871	81.9
\$100K - < \$120K	118	3.4	2989	85.3
\$120K - < \$140K	116	3.3	3105	88.6
\$140K - < \$160K	91	2.6	3196	91.2
\$160K - < \$200K	101	2.9	3297	94.1
\$160K - < \$250K	71	2.0	3368	96.1
\$250K - < \$300K	50	1.4	3418	97.5
\$300K - < \$350K	25	0.7	3443	98.2
\$350K - < \$400K	12	0.3	3455	98.6
\$400K - < \$450K	15	0.4	3470	99.0
\$450K - < \$500K	12	0.3	3482	99.3
\$500K +	23	0.7	3505	100.0

HOW MUCH WAS PERSONAL NET INCOME >\$500K

INC29C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	4	0.1	10	0.3
REFUSAL	3	0.1	13	0.4
VALID SKIP	3482	99.3	3495	99.7
VALIO VALUES	10	0.3	3505	100.0

NET INCOME % FRM OTHER MEDICAL PRACTICES

INC30	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	192	5.5	192	5.5
MAIL QUEST.	10	0.3	202	5.8
MISSING	62	1.8	264	7.5
REFUSAL	150	4.3	414	11.8
UNCODEABLE	1	0.0	415	11.8
NONE	2574	73.4	2989	85.3
VALIO VALUES	516	14.7	3505	100.0

----LIST OF VARIABLES AND ATTRIBUTES BY POSITION----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
385	EQU53FR	NUM	8	1485			NON-PHYSICIAN TIME ASSISTING COLONOSCOPY
386	EQU53GR	NUM	8	1493			NON-PHYSICIAN TIME ASSISTING STRESS TEST
387	EQU53HR	NUM	8	1501			NON-PHYSICIAN TIME SPENT ASSISTING ECG
388	EQU53IR	NUM	8	1509			NON-PHYSICIAN TIME ASSISTING ECG
389	EQU53JR	NUM	8	1517			NON-PHYSICIAN TIME ASSISTING STRESS TEST
390	EQU53KR	NUM	8	1525			NON-PHYSICIAN TIME: BLOOD POOL IMAGERY
391	EQU53LR	NUM	8	1533			NON-PHYSICIAN TIME ASSISTING CT SCAN
392	EQU53MR	NUM	8	1541			NON-PHYSICIAN TIME: MAGNETIC RES IMAGERY
393	EQU53NR	NUM	8	1549			NON-PHYSN TIME ASSISTING NUCLEAR SCAN
394	MODE	NUM	8	1557			DATA CAPTURE METHOD
395	TOTCOST	NUM	8	1565			SUM OF PRACTICE COSTS (GROUP LEVEL)
396	OVHDCOST	NUM	8	1573			TOTAL OVERHEAD COSTS
397	MULTSPEC	NUM	8	1581			MEMBER OF MULTISPECIALTY GROUP
398	IMP16	NUM	8	1589			IMPUTED VALUE FOR COS16
399	IMP16A	NUM	8	1597			IMPUTED VALUE FOR COS16A
400	IMP16B	NUM	8	1605			IMPUTED VALUE FOR COS16B
401	IMP17	NUM	8	1613			IMPUTED VALUE FOR COS17
402	IMP17A	NUM	8	1621			IMPUTED VALUE FOR COS17A
403	IMP17B	NUM	8	1629			IMPUTED VALUE FOR COS17B
404	IMP18	NUM	8	1637			IMPUTED VALUE FOR COS18
405	IMP18A	NUM	8	1645			IMPUTED VALUE FOR COS18A
406	IMP18B	NUM	8	1653			IMPUTED VALUE FOR COS18B
407	IMP19A	NUM	8	1661			IMPUTED VALUE FOR COS19A
408	IMP19B	NUM	8	1669			IMPUTED VALUE FOR COS19B
409	IMP19D	NUM	8	1677			IMPUTED VALUE FOR COS19D
410	IMP21	NUM	8	1685			IMPUTED VALUE FOR COS21
411	IMP22	NUM	8	1693			IMPUTED VALUE FOR COS22
412	IMP23	NUM	8	1701			IMPUTED VALUE FOR COS23
413	IMP24	NUM	8	1709			IMPUTED VALUE FOR COS24
414	IMP25	NUM	8	1717			IMPUTED VALUE FOR COS25
415	IMP26	NUM	8	1725			IMPUTED VALUE FOR COS26
416	IMP38A	NUM	8	1733			IMPUTED VALUE FOR MED38A
417	IMP38B	NUM	8	1741			IMPUTED VALUE FOR ME038B
418	IMP38C	NUM	8	1749			IMPUTED VALUE FOR MED38C
419	IMP38D	NUM	8	1757			IMPUTED VALUE FOR MED38D
420	IMP38E	NUM	8	1765			IMPUTED VALUE FOR ME038E
421	IMP38F	NUM	8	1773			IMPUTED VALUE FOR MED38F
422	IMPNET	NUM	8	1781			IMPUTED VALUE FOR NET
423	IMP31	NUM	8	1789			IMPUTED VALUE FOR MAL31
424	IMP14	NUM	8	1797			IMPUTED VALUE FOR SIZ14
425	IMP8	NUM	8	1805			IMPUTED VALUE FOR PRD8
426	IMP10A	NUM	8	1813			IMPUTED VALUE FOR PRD10A
427	IMP10B	NUM	8	1821			IMPUTED VALUE FOR PRD10B
428	IMP10C	NUM	8	1829			IMPUTED VALUE FOR PRD10C
429	IMP100	NUM	8	1837			IMPUTED VALUE FOR PRD10D
430	IMP10E	NUM	8	1845			IMPUTED VALUE FOR PRO10E
431	IMP11A	NUM	8	1853			IMPUTED VALUE FOR PRO11A
432	IMP11B	NUM	8	1861			IMPUTED VALUE FOR PRD11B
433	IMP11C	NUM	8	1869			IMPUTED VALUE FOR PRD11C
434	IMP11D	NUM	8	1877			IMPUTED VALUE FOR PRD11D
435	IMP11C1	NUM	8	1885			IMPUTED VALUE FOR PRD11C1
436	IMP9A	NUM	8	1893			IMPUTED VALUE FOR PRD9A
437	IMP9B	NUM	8	1901			IMPUTED VALUE FOR PRD9B



\*\*\* UNWEIGHTED \*\*\*

HOSPITAL PROVIDE COVERAGE OR NOT INSURED

MAL34	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	39	1.1	39	1.1
MAIL QUEST.	10	0.3	49	1.4
MISSING	41	1.2	90	2.6
REFUSAL	15	0.4	105	3.0
VALID SKIP	3350	95.6	3455	98.6
HOSP. COVERAGE	19	0.5	3474	99.1
NOT INSURED	31	0.9	3505	100.0

YEAR DISCONTINUED MALPRACTICE INSURANCE

MAL34A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MAIL QUEST.	10	0.3	13	0.4
MISSING	1	0.0	14	0.4
REFUSAL	1	0.0	15	0.4
VALID SKIP	3464	98.8	3479	99.3
NEVER INSURED	10	0.3	3489	99.5
79	1	0.0	3490	99.6
80	1	0.0	3491	99.6
84	1	0.0	3492	99.6
85	3	0.1	3495	99.7
86	1	0.0	3496	99.7
87	6	0.2	3502	99.9
88	3	0.1	3505	100.0

LIMIT PER CASE ON MALPRACTICE POLICIES

MAL35	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	100	2.9	100	2.9
MISSING	4	0.1	104	3.0
REFUSAL	8	0.2	112	3.2
UNCODEABLE	1	0.0	113	3.2
VALID SKIP	31	0.9	144	4.1
\$100K	225	6.4	369	10.5
\$200K	231	6.6	600	17.1
\$300K	121	3.5	721	20.6
\$500K	201	5.7	922	26.3
\$1MIL	1994	56.9	2916	83.2
\$3MIL	134	3.8	3050	87.0
OTHER	455	13.0	3505	100.0

LIMIT PER CASE ON MALPRACTICE (OTHER)

Q35VERB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	2	0.1	2	0.1
OUT OF RANGE	1	0.0	3	0.1
UNCODEABLE	7	0.2	10	0.3
VALID SKIP	3050	87.0	3060	87.3
VALID VALUES	445	12.7	3505	100.0





\*\*\* UNWEIGHTED \*\*\*

% OF REVENUES FROM MEDICARE PART B

MED38B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	3	0.1	3	0.1
DONT KNOW	137	3.9	140	4.0
MISSING	3	0.1	143	4.1
REFUSAL	10	0.3	153	4.4
NONE	253	7.2	406	11.6
VALID VALUES	3099	88.4	3505	100.0

% OF REVENUES FROM MEDICAID

MED38C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	9	0.3	9	0.3
DONT KNOW	161	4.6	170	4.9
MAIL QUEST.	10	0.3	180	5.1
MISSING	4	0.1	184	5.2
REFUSAL	11	0.3	195	5.6
NONE	554	15.8	749	21.4
VALID VALUES	2756	78.6	3505	100.0

% OF REVENUES FROM PRIVATE BLUE SHIELD

MED38D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	364	10.4	364	10.4
DONT KNOW	192	5.5	556	15.9
MAIL QUEST.	10	0.3	566	16.1
MISSING	4	0.1	570	16.3
REFUSAL	11	0.3	581	16.6
NONE	203	5.8	784	22.4
VALID VALUES	2721	77.6	3505	100.0

% REVENUES FROM OTH PRIVATE HEALTH PLANS

MED38E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	163	4.7	163	4.7
DONT KNOW	186	5.3	349	10.0
MAIL QUEST.	10	0.3	359	10.2
MISSING	4	0.1	363	10.4
REFUSAL	11	0.3	374	10.7
NONE	247	7.0	621	17.7
VALID VALUES	2884	82.3	3505	100.0

% OF REVENUES FROM OTHER SOURCES SPECIFY

MED38F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	8	0.2	8	0.2
DONT KNOW	182	5.2	190	5.4
MAIL QUEST.	10	0.3	200	5.7
MISSING	14	0.4	214	6.1
REFUSAL	11	0.3	225	6.4
NONE	2855	81.5	3080	87.9
VALID VALUES	425	12.1	3505	100.0

----ALPHA8ETIC LIST OF VARIABLES AND ATTRIBUTES-----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
164	EQU4583	NUM	3	561			EKG EQUIPMENT RENTED
172	EQU45C1	NUM	3	595			ULTRASOUND EQUIPMENT PURCHASED
173	EQU45C2	NUM	3	598			ULTRASOUND EQUIPMENT LEASED
174	EQU45C3	NUM	3	601			ULTRASOUND EQUIPMENT RENTED
186	EQU45D1	NUM	3	647			R ENDOSCOPY EQUIPMENT PURCHASED
187	EQU45D2	NUM	3	650			UPPER GI ENDOSCOPY EQUIPMENT LEASED
188	EQU45D3	NUM	3	653			UPPER GI ENDOSCOPY EQUIPMENT RENTED
196	EQU45E1	NUM	3	687			FLEXIBLE SIGMIDIOSCOPY EQPMNT PURCHASED
197	EQU45E2	NUM	3	690			FLEXIBLE SIGMIDIOSCOPY EQUIPMENT LEASED
198	EQU45E3	NUM	3	693			FLEXIBLE SIGMIDIOSCOPY EQUIPMENT RENTED
206	EQU45F1	NUM	3	727			COLONOSCOPY EQUIPMENT PURCHASED
207	EQU45F2	NUM	3	730			COLONOSCOPY EQUIPMENT LEASED
208	EQU45F3	NUM	3	733			COLONOSCOPY EQUIPMENT RENTED
216	EQU45G1	NUM	3	767			CARDIOVASCULAR EQUIPMENT PURCHASED
217	EQU45G2	NUM	3	770			CARDIOVASCULAR EQUIPMENT LEASED
218	EQU45G3	NUM	3	773			CARDIOVASCULAR EQUIPMENT RENTED
226	EQU45H1	NUM	3	807			ELECTROCARDIOGRAPHIC EQPMNT PURCHASED
227	EQU45H2	NUM	3	810			ELECTROCARDIOGRAPHIC EQUIPMENT LEASED
228	EQU45H3	NUM	3	813			ELECTROCARDIOGRAPHIC EQUIPMENT RENTED
236	EQU45I1	NUM	3	847			CARDIOLOGISTS ECG EQUIPMENT PURCHASED
237	EQU45I2	NUM	3	850			CARDIOLOGISTS - ECG EQUIPMENT LEASED
238	EQU45I3	NUM	3	853			CARDIOLOGISTS - ECG EQUIPMENT RENTED
246	EQU45J1	NUM	3	887			CARDIOVASCULAR EQUIPMENT PURCHASED
247	EQU45J2	NUM	3	890			CARDIOVASCULAR EQUIPMENT LEASED
248	EQU45J3	NUM	3	893			CARDIOVASCULAR EQUIPMENT RENTED
256	EQU45K1	NUM	3	927			MYOCARDIUM EQUIPMENT PURCHASED
257	EQU45K2	NUM	3	930			MYOCARDIUM EQUIPMENT LEASED
258	EQU45K3	NUM	3	933			MYOCARDIUM EQUIPMENT RENTED
266	EQU45L1	NUM	3	967			CT SCAN EQUIPMENT PURCHASED
267	EQU45L2	NUM	3	970			RADIOLOGISTS - CT SCAN EQPMNT LEASED
268	EQU45L3	NUM	3	973			RADIOLOGISTS - CT SCAN EQUIPMENT RENTED
276	EQU45M1	NUM	3	1007			RESONANCE IMAGING EQUIPMENT PURCHASED
277	EQU45M2	NUM	3	1010			MAGNETIC RESONANCE IMAGING EQUIP LEASED
278	EQU45M3	NUM	3	1013			MAGNETIC RESONANCE IMAGE EQPMNT RENTED
286	EQU45N1	NUM	3	1047			NUCLEAR SCAN EQUIPMENT PURCHASED
287	EQU45N2	NUM	3	1050			NUCLEAR SCAN EQUIPMENT LEASED
288	EQU45N3	NUM	3	1053			NUCLEAR SCAN EQUIPMENT RENTED
175	EQU46A	NUM	3	604			R HAS A MODE ULTRASOUND EQUIPMENT
176	EQU46B	NUM	3	607			R HAS B SCAN ULTRASOUND EQUIPMENT
177	EQU46M	NUM	3	610			R HAS M MODE ULTRASOUND EQUIPMENT
178	EQU46R	NUM	3	613			R HAS REAL TIME SCAN ULTRASOUND EQPMNT
155	EQU47A	NUM	6	524			TOTAL COST OF X-RAY EQUIPMENT
165	EQU47B	NUM	6	564			TOTAL COST OF EKG EQUIPMENT
179	EQU47C	NUM	6	616			TOTAL COST OF ULTRASOUND EQUIPMENT
189	EQU47D	NUM	6	656			TOTAL COST OF ENDOSCOPY EQUIPMENT
199	EQU47E	NUM	6	696			TOTAL COST OF SIGMOIDOSCOPY EQUIPMENT
209	EQU47F	NUM	6	736			TOTAL COST OF COLONOSCOPY EQUIPMENT
219	EQU47G	NUM	6	776			TOTAL COST OF STRESS TEST EQUIPMENT
229	EQU47H	NUM	6	816			TOTAL COST OF ECG EQUIPMENT
239	EQU47I	NUM	6	856			TOTAL COST OF ECG EQUIPMENT
249	EQU47J	NUM	6	896			TOTAL COST OF STRESS TEST EQUIPMENT
259	EQU47K	NUM	6	936			TOTAL COST OF BLOOD POOL IMAGERY EQUIP
269	EQU47L	NUM	6	976			TOTAL COST OF CT SCAN EQUIPMENT
279	EQU47M	NUM	6	1016			TOTAL COST OF MAGNETIC RES IMAGING EQUIP
289	EQU47N	NUM	6	1056			TOTAL COST OF NUCLEAR SCAN EQUIPMENT
156	EQU48A	NUM	3	530			X-RAY EQUIPMENT COSTS SHARED
166	EQU48B	NUM	3	570			ROUTINE EKG EQUIPMENT COSTS SHARED
180	EQU48C	NUM	3	622			ULTRASOUND EQUIPMENT COSTS SHARED
190	EQU48D	NUM	3	662			ENDOSCOPY EQUIPMENT COSTS SHARED
200	EQU48E	NUM	3	702			SIGMOIDOSCOPY EQUIPMENT COSTS SHARED
210	EQU48F	NUM	3	742			COLONOSCOPY EQUIPMENT COSTS SHARED
220	EQU48G	NUM	3	782			STRESS TEST EQUIPMENT COSTS SHARED
230	EQU48H	NUM	3	822			ECG EQUIPMENT COSTS SHARED
240	EQU48I	NUM	3	862			ECG EQUIPMENT COSTS SHARED
250	EQU48J	NUM	3	902			STRESS TEST EQUIPMENT COSTS SHARED
260	EQU48K	NUM	3	942			BLOOD POOL IMAGERY EQUIP COSTS SHARED
270	EQU48L	NUM	3	982			CT SCAN EQUIPMENT COSTS SHARED
280	EQU48M	NUM	3	1022			MAGNETIC RES IMAGING EQUIP COST SHARED
290	EQU48N	NUM	3	1062			NUCLEAR SCAN EQUIPMENT COSTS SHARED
157	EQU49A	NUM	4	533			R SHARE OF X-RAY EQUIPMENT COSTS
167	EQU49B	NUM	4	573			R SHARE OF EKG EQUIPMENT COSTS
181	EQU49C	NUM	4	625			R SHARE OF ULTRASOUND EQUIPMENT COSTS
191	EQU49D	NUM	4	665			R SHARE OF ENDOSCOPY EQUIPMENT COSTS
201	EQU49E	NUM	4	705			R SHARE OF SIGMOIDOSCOPY EQUIP COSTS
211	EQU49F	NUM	4	745			R SHARE OF COLONOSCOPY EQUIPMENT COSTS
221	EQU49G	NUM	4	785			R SHARE OF STRESS TEST EQUIPMENT COSTS
231	EQU49H	NUM	4	825			R SHARE OF ECG EQUIPMENT COSTS
241	EQU49I	NUM	4	865			R SHARE OF ECG EQUIPMENT COSTS

\*\*\* UNWEIGHTED \*\*\*

SIGN MEDICARE AGREEMENT IN JANUARY 1989

ME040	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	23	0.7	23	0.7
MAIL QUEST.	10	0.3	33	0.9
MISSING	4	0.1	37	1.1
REFUSAL	3	0.1	40	1.1
VALID SKIP	253	7.2	293	8.4
NO	1611	46.0	1904	54.3
YES	1601	45.7	3505	100.0

% OF MEDICARE ACCEPTED ON ASSIGNMENT

ME040B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	80	2.3	80	2.3
MAIL QUEST.	10	0.3	90	2.6
MISSING	8	0.2	98	2.8
REFUSAL	7	0.2	105	3.0
VALIDO SKIP	1867	53.3	1972	56.3
NONE	174	5.0	2146	61.2
VALID VALUES	1359	38.8	3505	100.0

% NON-ASSIGNED MEDICARE COLLECT IN FULL

MED40C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	144	4.1	144	4.1
MAIL QUEST.	10	0.3	154	4.4
MISSING	21	0.6	175	5.0
REFUSAL	7	0.2	182	5.2
VALIDO SKIP	1994	56.9	2176	62.1
NONE	47	1.3	2223	63.4
VALIDO VALUES	1282	36.6	3505	100.0

% BILL TO INSURER OR MEDICAID DIRECTLY

MED41A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	118	3.4	118	3.4
MAIL QUEST.	10	0.3	128	3.7
MISSING	18	0.5	146	4.2
REFUSAL	6	0.2	152	4.3
UNCOOEABLE	3	0.1	155	4.4
VALIDO SKIP	451	12.9	606	17.3
NONE	243	6.9	849	24.2
VALIDO VALUES	2656	75.8	3505	100.0

% BILL TO THE PATIENT DIRECTLY

ME041B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	123	3.5	123	3.5
MAIL QUEST.	10	0.3	133	3.8
MISSING	21	0.6	154	4.4
REFUSAL	6	0.2	160	4.6
UNCOOEABLE	2	0.1	162	4.6
VALIDO SKIP	451	12.9	613	17.5
NONE	2002	57.1	2615	74.6
VALIDO VALUES	890	25.4	3505	100.0



----ALPHABETIC LIST OF VARIABLES AND ATTRIBUTES----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
401	IMP17	NUM	8	1613			IMPUTED VALUE FOR COS17
402	IMP17A	NUM	8	1621			IMPUTED VALUE FOR COS17A
403	IMP17B	NUM	8	1629			IMPUTED VALUE FOR COS17B
404	IMP18	NUM	8	1637			IMPUTED VALUE FOR COS18
405	IMP18A	NUM	8	1645			IMPUTED VALUE FOR COS18A
406	IMP18B	NUM	8	1653			IMPUTED VALUE FOR COS18B
407	IMP19A	NUM	8	1661			IMPUTED VALUE FOR COS19A
408	IMP19B	NUM	8	1669			IMPUTED VALUE FOR COS19B
409	IMP190	NUM	8	1677			IMPUTED VALUE FOR COS190
410	IMP21	NUM	8	1685			IMPUTED VALUE FOR COS21
411	IMP22	NUM	8	1693			IMPUTED VALUE FOR COS22
412	IMP23	NUM	8	1701			IMPUTED VALUE FOR COS23
413	IMP24	NUM	8	1709			IMPUTED VALUE FOR COS24
414	IMP25	NUM	8	1717			IMPUTED VALUE FOR COS25
415	IMP26	NUM	8	1725			IMPUTED VALUE FOR COS26
423	IMP31	NUM	8	1789			IMPUTED VALUE FOR MAL31
416	IMP38A	NUM	8	1733			IMPUTED VALUE FOR ME038A
417	IMP38B	NUM	8	1741			IMPUTED VALUE FOR ME038B
418	IMP38C	NUM	8	1749			IMPUTED VALUE FOR ME038C
419	IMP38D	NUM	8	1757			IMPUTED VALUE FOR ME038D
420	IMP38E	NUM	8	1765			IMPUTED VALUE FOR ME038E
421	IMP38F	NUM	8	1773			IMPUTED VALUE FOR ME038F
425	IMP8	NUM	8	1805			IMPUTED VALUE FOR PR08
436	IMP9A	NUM	8	1893			IMPUTED VALUE FOR PR09A
437	IMP9B	NUM	8	1901			IMPUTED VALUE FOR PR09B
93	INC29A	NUM	4	314			R'S OWN PERSONAL NET INCOME IN 1988
94	INC29B	NUM	3	318			RANGE FOR PERSONAL NET INCOME
95	INC29C	NUM	4	321			HOW MUCH WAS PERSONAL NET INCOME >\$500K
141	INC29R	NUM	3	470			PERSONAL NET INCOME AS CATEGORICAL VAR
96	INC30	NUM	3	325			NET INCOME % FRM OTHER MEDICAL PRACTICES
97	INC30A	NUM	4	328			APPROX INCOME NOT FROM MAIN PRACTICE
138	INTDATE	NUM	4	460			DATE INTERVIEW COMPLETED
137	INTSTART	NUM	4	456			DATE INTERVIEW BEGAN
146	INT69	NUM	4	489			WHO COMPLETED COST SECTION
147	INT69A	NUM	4	493			USE OF COST INFORMATION WORKSHEET
148	INT69B	NUM	4	497			INFO AT GROUP OR INDIVIDUAL LEVEL
363	LA8	NUM	3	1324			OWN, LEASE, OR RENT LABORATORY EQUIPMENT
365	LA8INVMT	NUM	3	1330			OUTSIDE INVESTMENTS IN LA8 EQUIPMENT
294	LA854A	NUM	3	1081			R OWNS/LEASES/RENTS CLINICAL CHEM EQUIP
295	LA854AA	NUM	3	1084			R HAS INVESTMENT IN CLINICAL CHEM EQUIP
312	LA854AB	NUM	3	1144			R HAS INVESTMENT IN HEMATOLOGY EQUIPMNT
330	LA854AC	NUM	3	1207			R HAS INVESTMENT IN MICROBIOLOGY EQUIP
340	LA854AD	NUM	3	1246			R HAS INVESTMENT IN HISTOLOGY EQUIPMENT
311	LA854B	NUM	3	1141			R OWNS/LEASES/RENTS HEMATOLOGY EQUIPMENT
329	LA854C	NUM	3	1204			R OWNS/LEASES/RENTS/MICROBIOLOGY EQUIP
339	LA854D	NUM	3	1243			R OWNS/LEASES/RENTS HISTOLOGY EQUIPMENT
296	LAB55A1	NUM	3	1087			CLINICAL CHEMISTRY EQUIPMENT PURCHASED
297	LAB55A2	NUM	3	1090			CLINICAL CHEMISTRY EQUIPMENT LEASED
298	LAB55A3	NUM	3	1093			CLINICAL CHEMISTRY EQUIPMENT RENTED
313	LAB55B1	NUM	3	1147			HEMATOLOGY EQUIPMENT PURCHASED
314	LAB55B2	NUM	3	1150			HEMATOLOGY EQUIPMENT LEASED
315	LAB55B3	NUM	3	1153			HEMATOLOGY EQUIPMENT RENTED
331	LAB55C1	NUM	3	1210			MICROBIOLOGY EQUIPMENT PURCHASED
332	LAB55C2	NUM	3	1213			MICROBIOLOGY EQUIPMENT LEASED
333	LAB55C3	NUM	3	1216			MICROBIOLOGY EQUIPMENT RENTED
341	LAB5501	NUM	3	1249			HISTOLOGY EQUIPMENT PURCHASED
342	LAB5502	NUM	3	1252			HISTOLOGY EQUIPMENT LEASED
343	LAB5503	NUM	3	1255			HISTOLOGY EQUIPMENT RENTED
299	LAB56A	NUM	6	1096			TOTAL COST OF CLINICAL CHEM. EQUIPMENT
316	LAB56B	NUM	6	1156			TOTAL COST OF HEMATOLOGY EQUIPMENT
334	LAB56C	NUM	6	1219			TOTAL COST OF MICROBIOLOGY EQUIPMENT
344	LAB56D	NUM	6	1258			TOTAL COST OF HISTOLOGY EQUIPMENT
300	LAB57A	NUM	3	1102			CLINICAL CHEMISTRY EQUIPMENT COSTS SHARED
317	LAB57B	NUM	3	1162			HEMATOLOGY EQUIPMENT COSTS SHARED
335	LAB57C	NUM	3	1225			MICROBIOLOGY EQUIPMENT COSTS SHARED
345	LAB57D	NUM	3	1264			HISTOLOGY EQUIPMENT COSTS SHARED
301	LAB58A	NUM	4	1105			R SHARE OF CLINICAL CHEM. EQUIP COSTS
318	LAB58B	NUM	4	1165			R SHARE OF HEMATOLOGY EQUIPMENT COST
336	LAB58C	NUM	4	1228			R SHARE OF MICROBIOLOGY EQUIP COSTS
346	LAB58D	NUM	4	1267			R SHARE OF HISTOLOGY EQUIPMENT COSTS
302	LAB59A	NUM	6	1109			CLINICAL CHEM EQUIP MAINTENANCE COSTS
319	LAB59B	NUM	6	1169			HEMATOLOGY EQUIPMENT MAINTENANCE COSTS
337	LAB59C	NUM	6	1232			MICROBIOLOGY EQUIPMENT MAINTENANCE COSTS
347	LAB59D	NUM	6	1271			HISTOLOGY EQUIPMENT MAINTENANCE COSTS
303	LAB60A	NUM	5	1115			# OF CLINICAL CHEMISTRY TESTS PERFORMED
320	LAB60B	NUM	5	1175			# OF HEMATOLOGY TESTS PERFORMED

$N =$  the universe size ( $N = 217,970$ ).

As an example, for cell 1101 (Northeast, NonMSA, General/Family Practice), the normalized weight would be:

$$\begin{aligned} \text{NWTVAR}_{1101} &= 41.08 * (3,505/217,970) \\ &= 0.66. \end{aligned}$$

In other words, physicians in cell 1101 would be weighted 0.66 using the normalized weight (NWTVAR), indicating that such physicians are over-represented in the actual sample (relative to their representation in the target population). This makes sense given the over-sampling and higher response rates of rural physicians in the 1988 PPCIS.

At the other extreme, the normalized weight for cell 1301 (Northeast, Large MSA, General/Family Practice) would be:

$$\begin{aligned} \text{NWTVAR}_{1301} &= 308.00 * (3,505/217,970) \\ &= 4.95 \end{aligned}$$

In this case, GFPs in large metropolitan cities in the Northeast were either under-sampled or less likely to respond than physicians in other cells, resulting in a weight that gives disproportionate emphasis to these physicians.

### 2.2.2 Adjusting Weighted Data for Missing Values

The second approach is used when missing values are present. The weights can be adjusted to either rescale to the completed "n" of 3,505 or to the weighted "N" of 217,970. Examples for both are given below.

Let's say that we want to analyze the average percent of a physician's revenues accounted for by Medicare (MED38B). This variable has a nonresponse rate of about 4.4 percent (=153/3,505). Weights would be inflated to take into account the level of missing data.

#### METHOD 1: WEIGHTS SUM TO 3,505

$$\text{NWTVAR}_i = \text{NWTVAR}_i * (\text{VALIDN}/\text{NONMISSN})$$

where:

$\text{NWTVAR}_i =$  normalized WTVAR for cell i, adjusting for missing data using method 1;

$\text{NWTVAR}_i =$  normalized WTVAR for cell i;

$\text{VALIDN} =$  number of cases with valid responses (including missing data); and

$\text{NONMISSN} =$  number of cases without missing data.

Returning to our example for cell 1101, the new  $\text{NWTVAR}_1$ , adjusting for missing data on MED38B, would be as follows:

$$\begin{aligned} \text{NWTVAR}_{1101} &= 0.66 * (3,505/3,352) \\ &= 0.69 \end{aligned}$$

where 3,353 equals 3,505 minus 152, the number of missing values on MED38B. The normalized WTVAR is inflated upwards to adjust for missing data on MED38B. It should be noted that adjustments need to be made on an analysis-by-analysis basis to account for differential rates of nonresponse across variables.

----ALPHABETIC LIST OF VARIABLES AND ATTRIBUTES-----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
20	PRD8	NUM	3	65			# OF WEEKS R DID NOT PRACTICE IN 1988
21	PRD9A	NUM	3	68			HRS WORKED DURING RECENT WK OF PRACTICE
22	PRD9B	NUM	3	71			TOTAL HRS SPENT ON ADMINISTRATIVE DUTIES
23	PRD9D	NUM	3	74			R'S WEEK AVERAGE IN TERMS OF WORKING HRS
136	PROXY	NUM	3	453			FINANCIAL INFORMATION PROVIDED BY PROXY
105	Q35VERB	NUM	5	356			LIMIT PER CASE ON MALPRACTICE (OTHER)
107	Q36VERB	NUM	5	364			TOTAL LIMIT ON MALPRACTICE (OTHER)
8	REGION	NUM	3	29			REGION OF THE COUNTRY (4 CENSUS REGIONS)
11	SCR5A	NUM	3	38			R FULL/PART-OWNER OF MAIN PRACTICE IN 88
12	SCR5B	NUM	3	41			EMPLOYED BY A PHYSICIAN/GROUP PHYSICIANS
13	SCR5C	NUM	3	44			EMPLOYED BY FACULTY PRACTICE PLAN IN 88
14	SCR5D	NUM	3	47			EMPLOYED BY A HOSPITAL IN 88
15	SCR5E	NUM	3	50			EMPLOYED BY A CLINIC OR HMO IN 88
16	SCR5F	NUM	3	53			EMPLOYED BY A FEDERAL GOVERNMENT AGENCY
17	SCR5G	NUM	3	56			EMPLOYED BY OTHER (SPECIFY) IN 88
18	SCR7C	NUM	3	59			LEGAL STATUS OF MEDICAL PRACTICE IN 1988
19	SCR7D	NUM	3	62			R'S MAIN PRACTICE MULTI-SPECIALTY GROUP
5	SELFSPEC	NUM	3	20			DOCTOR'S COLLAPSED SPECIALTY
132	SEX	NUM	3	441			RESPONDENT'S SEX
35	SIZ12A	NUM	3	110			# PHYSICIANS WORKING AT LEAST 20 HRS/WK
36	SIZ12B	NUM	3	113			# PHYSICIANS NOT PARTNERS OR SHAREHOLDERS
37	SIZ12C	NUM	3	116			# PART-TIME PHYSICIANS W/ < 20 HRS/WEEK
38	SIZ12D	NUM	3	119			# PART-TIME PHYSICIAN EMPLOYEES
39	SIZ13	NUM	3	122			TOTAL PHYSICIANS IN R'S SPECIALTY
40	SIZ14	NUM	3	125			TOTAL # OF NON-PHYSICIAN EMPLOYEES
41	SIZ15A1	NUM	3	128			# OF SOCIAL WORKER R'S PRACTICE EMPLOYED
42	SIZ15A2	NUM	3	131			# OF SOCIAL WORKERS WHO WORK 20 HRS A WK
43	SIZ15B1	NUM	3	134			# OF CRNAs R'S PRACTICE EMPLOYED IN 88
44	SIZ15B2	NUM	3	137			# OF CRNAs WHO WORK 20 HRS A WK
45	SIZ15C1	NUM	3	140			# OF RNs R'S PRACTICE EMPLOYED IN 88
46	SIZ15C2	NUM	3	143			# OF RNs WHO WORK 20 HRS A WK
47	SIZ15D1	NUM	3	146			# OF LPNs R'S PRACTICE EMPLOYED IN 88
48	SIZ15D2	NUM	3	149			# OF LPNs WHO WORK 20 HRS A WK
49	SIZ15E1	NUM	3	152			# OF MEDICAL AIDES R'S PRACTICE EMPLOYED
50	SIZ15E2	NUM	3	155			# OF MEDICAL AIDES WHO WORK 20 HRS A WK
51	SIZ15F1	NUM	3	158			# OF PAs/NPs R'S PRACTICE EMPLOYED
52	SIZ15F2	NUM	3	161			# OF PAs/NPs WHO WORK 20 HRS/WEEK
53	SIZ15G1	NUM	3	164			# OF OTHER PT CARE EMPs IN R'S PRACTICE
54	SIZ15G2	NUM	3	167			# OF OTH PT CARE EMPs WHO WORK 20 HRS/WK
55	SIZ15H1	NUM	3	170			# OF CLERICAL STAFF R'S PRACTICE EMPLOYED
56	SIZ15H2	NUM	3	173			# OF CLERICAL STAFF WHO WORK 20 HRS A WK
10	SMSA	NUM	3	35			URBAN, RURAL DICHOTOMY
9	SMSASIZ	NUM	3	32			THREE LEVELS OF URBANICITY
140	SOLO	NUM	3	467			PHYSICIAN A SOLO PRACTITIONER
4	SPECIAL	NUM	3	17			DOCTOR'S UNCOLLAPSED SPECIALTY
6	SPEC4	NUM	3	23			FOUR ANALYTIC SPECIALTY CATEGORIES
395	TOTCOST	NUM	8	1565			SUM OF PRACTICE COSTS (GROUP LEVEL)
2	WTVAR	NUM	3	11			WEIGHTING VARIABLE



```
ELSE IF . < MED38BR < 0 THEN MED38BR = 2 (nonresponses);  
ELSE IF MED38BR >= 0 THEN MED38BR = 3 (numeric responses);  
PROC FREQ MED38BR;  
WEIGHT WTVAR;
```

STEP 2: From the PROC FREQ, enter the values for VALIDWT (MED38BR = 2 + MED38BR = 3) and NONMISWT (MED38BR = 3) into the equation for NWTVAR2 as follows:

$$\text{NWTVAR2} = \text{WTVAR} * (\text{VALIDWT} / \text{NONMISWT});$$

The user is again reminded that separate normalized weights must be produced for each cross-tabulation, given differences in the number of missing observations on each set of variables. Because of the computational burden involved in producing normalized WTVARs that account for missing data, a reasonable strategy would be to perform all analyses with WTVAR or NWTVAR, and then calculate NWTVAR1 or NWTVAR2 for final tabulations.





**IMPUTATIONS**

**Q. *Why are there still missing data in the cost and income questions, even using the imputed variables?***

A. Imputed variables are available for the vast majority of the missing data in the cost and income sections of the survey. However, the physician practice size variables were not imputed, as they were considered so crucial in determining other values. This meant that cost variables could not be imputed if physician practice size, which was included on the right hand side in most imputation regressions, was missing. For example, physician employee earnings were not imputed if the number of physician employees in the practice was not available. Cases that could not be imputed were given a value of ".E" in the imputed variables.

**Q. *What is the significance of the ".0, .1 and .2 values" in the imputed variables?***

A. To allow imputed values to be distinguished from imputed values, all IMP (imputed) variables contain one decimal. Most numeric values end in ".0" signifying that they are integer values provided by respondents. All imputed values were rounded and 0.1 was added; thus the ".1" identifies an imputed value. The original data also contained "combined values" in which expenses for one variable could not be broken out from those reported for another variable. In these cases, the variable that was combined was imputed; the imputed values end in ".1". This amount was subtracted from the variable into which it was originally combined. Variables where such "uncombining" took place end in ".2".

**Q. *How were physicians who refused to answer COS19 (do you rent or own office space) treated for imputation?***

A. If the response to COS19 was refused, missing, or don't know, respondents were skipped through questions 19A, 19B, and 19D asking about rent, depreciation, telephone, and utilities. For imputation, these respondents were assumed to be renters; COS19A was imputed and COS19B was set to 0.1.

**Q. *How were utilities and telephone expenses treated for physicians who did not answer COS19C?***

A. COS19C is intended to indicate whether the values reported for rent or depreciation on office space include utilities and/or telephone. If COS19C was not answered (missing, refused, don't know), physicians were skipped from COS19D asking for utilities/telephone expenditures. For imputations, these observations were treated as if neither utilities nor telephone had been included along with rental/depreciation costs. This may somewhat overstate actual space costs for these physicians. However, alternative approaches would either understate costs (if COS19D was set to zero) or reduce the number of observations available for analysis. Researchers should consider which approach is best for their particular analysis.

**Q. *Are office supplies included in COS22 which asked for annual expenses for medical materials and supplies?***

A. Physicians were asked to include office supplies in question 26 (miscellaneous expenses) rather than question 22 (medical supplies). BOX 16 indicates whether office supplies were included in question 22. Because of the high number of non-responses to this BOX, supplies were not purged from COS22 for the imputations.

\*\*\* UNWEIGHTED \*\*\*

DOCTOR'S UNCOLLAPSED SPECIALTY

SPECIAL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
RAIOLOGY	64	1.8	3312	94.5
CHILO NEUROLOGY	2	0.1	3314	94.6
EMERGENCY MEO	74	2.1	3388	96.7
NEUROLOGY	34	1.0	3422	97.6
OCCUP MEDICINE	4	0.1	3426	97.7
OTHER SPECIALTY	6	0.2	3432	97.9
PHYS MEO/REHAB	9	0.3	3441	98.2
UNSPECIFIED	5	0.1	3446	98.3
CLIN PATHOLOGY	4	0.1	3450	98.4
PATHOLOGY	40	1.1	3490	99.6
ANATOMIC PATH	1	0.0	3491	99.6
CRITICAL CARE	1	0.0	3492	99.6
RAIOIATION ONC	12	0.3	3504	100.0
PEOIATRIC RAO	1	0.0	3505	100.0

DOCTOR'S COLLAPSED SPECIALTY

SELFSPEC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GENL/FAMILY PRAC	432	12.3	432	12.3
INTERNAL MEO	373	10.6	805	23.0
CARIOLOGY	143	4.1	948	27.0
GASTROENTEROLOGY	145	4.1	1093	31.2
OTHER MEDICAL	292	8.3	1385	39.5
GENERAL SURGERY	221	6.3	1606	45.8
ORTHOPEOIC SURG	149	4.3	1755	50.1
OPHTHALMOLOGY	171	4.9	1926	55.0
UROLOGY	182	5.2	2108	60.1
OB/GYN	271	7.7	2379	67.9
THORACIC SURGERY	161	4.6	2540	72.5
OTHER SURGERY	178	5.1	2718	77.5
PSYCHIATRY	207	5.9	2925	83.5
ANESTHESIOLOGY	216	6.2	3141	89.6
RAIOLOGY	184	5.2	3325	94.9
OTHER SPEC	180	5.1	3505	100.0

FOUR ANALYTIC SPECIALTY CATEGORIES

SPEC4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GENL/FAMILY PRAC	432	12.3	432	12.3
MEDICAL SPEC	953	27.2	1385	39.5
SURGICAL SPEC	1333	38.0	2718	77.5
OTHER SPEC	787	22.5	3505	100.0

UPDATED CENSUS DIVISION

DIVISION	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NEW ENGLAND	208	5.9	208	5.9
MIO ATLANTIC	519	14.8	727	20.7
E.N. CENTRAL	523	14.9	1250	35.7
W.N. CENTRAL	256	7.3	1506	43.0
SOUTH ATLANTIC	643	18.3	2149	61.3
E.S. CENTRAL	231	6.6	2380	67.9
W.S. CENTRAL	362	10.3	2742	78.2
MOUNTAIN	196	5.6	2938	83.8
PACIFIC	567	16.2	3505	100.0

- COS18 - nonphysician employee wages (skipped if no nonphysician employees);
- COS18A - nonphysician employee deferred compensation and bonuses (skipped if no nonphysician employees);
- COS18B - nonphysician employee fringe benefits (skipped if no nonphysician employees);
- COS19A - rental or lease expenses (skipped if physician not renting space);
- COS19B - depreciation and interest (skipped if physician not owner of office space);
- COS19D - utility and telephone expenses (skipped if utility and telephone included in lease or depreciation expenses)
- MAL33A - hospital payment of malpractice premiums (skipped if hospital paid nothing);

*Q. How are the number of full-time equivalent physicians in the practice determined?*

A. Variables SIZ12A through SIZ12D contain information about the number of physicians in the practice. SIZ12B (physician employees full time) is a subset of SIZ12A (total physicians full-time), while SIZ12D (physician employees part-time) is a subset of SIZ12C (total physicians part-time).

The number of full-time equivalent physicians in the practice is calculated as  $MDSIZE = SIZ12A + SIZ12C/f$ , where  $f$  is the ratio of a full-time physician as which part-time physicians are counted. In practice, we used  $1/3$  as this ratio. Since part-time physicians work less than 20 hours a week, and the average workweek of full-time physicians in the survey is well over 40 hours per week, counting part-time physicians as  $1/3$  rather than  $1/2$  of a full-time physician seemed appropriate.

The number of full-time equivalent physician owners of the practice is then calculated  $MDOWN = (SIZ12A - SIZ12B) + [(SIZ12C - SIZ12D)/f]$  and the number of full-time equivalent physician employees is calculated  $MDEMP = SIZ12B + SIZ12D/f$ .

*Q. Were any problems found with the physician practice size variables?*

A. The physician practice size variables had a very high response rate, allowing full-time equivalent physicians to be computed for nearly all observations. However, one case appears problematic. ID 2395 reports to be a solo physician; however, all cost values would seem to indicate a much larger practice. Since the cost variables are consistent with each other, they were not treated as outliers. Instead, we feel the physician size variable for this case is inaccurate and treated it as missing for cleaning and imputation runs.

*Q. How can a physician's net income be adjusted for activities outside the main practice?*

A. In question INC29 physicians were asked to report their own personal net incomes from all medical activities. Question INC30 then asked for the percentage of this income from medical activities other than the main practice. If physicians were unable to answer this question, they were asked the approximate amount of income from activities other than the main practice (INC30A).



\*\*\* UNWEIGHTED \*\*\*

EMPLOYED BY A FEDERAL GOVERNMENT AGENCY

SCR5F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	3496	99.7	3496	99.7
YES	9	0.3	3505	100.0

EMPLOYED BY OTHER (SPECIFY) IN 88

SCR5G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	3496	99.7	3496	99.7
YES	9	0.3	3505	100.0

LEGAL STATUS OF MEDICAL PRACTICE IN 1988

SCR7C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
UNINC SOLO PROP	1042	29.7	1045	29.8
PARTNERSHIP	314	9.0	1359	38.8
CORPORATION	2114	60.3	3473	99.1
OTHER	14	0.4	3487	99.5
PROF. ASSOC.	18	0.5	3505	100.0

R'S MAIN PRACTICE MULTI-SPECIALTY GROUP

SCR7D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	57	1.6	63	1.8
VALID SKIP	1042	29.7	1105	31.5
NO	1948	55.6	3053	87.1
YES	452	12.9	3505	100.0

# OF WEEKS R DID NOT PRACTICE IN 1988

PRD8	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MAIL QUEST.	10	0.3	18	0.5
REFUSAL	1	0.0	19	0.5
0	134	3.8	153	4.4
1	151	4.3	304	8.7
2	572	16.3	876	25.0
3	705	20.1	1581	45.1
4	812	23.2	2393	68.3
5	307	8.8	2700	77.0
6	421	12.0	3121	89.0
7	81	2.3	3202	91.4
8	158	4.5	3360	95.9
9	22	0.6	3382	96.5
10	45	1.3	3427	97.8
11	5	0.1	3432	97.9
12	36	1.0	3468	98.9
13	5	0.1	3473	99.1
14	3	0.1	3476	99.2
15	6	0.2	3482	99.3
16	7	0.2	3489	99.5
20	2	0.1	3491	99.6
24	2	0.1	3493	99.7
26	6	0.2	3499	99.8
27	1	0.0	3500	99.9
30	1	0.0	3501	99.9
31	1	0.0	3502	99.9
33	2	0.1	3504	100.0
36	1	0.0	3505	100.0

## 4.0 *INTERTEMPORAL COMPARISONS BETWEEN THE 1978, 1983, AND 1988 PPCIS*

### 4.1 Overview

In many ways the 1978 and 1983 PPCIS surveys are very similar to the 1988 survey. The advantage of this comparability is that it allows analysis of intertemporal as well as cross-sectional physician-level data. Before "pooling" the data from the three survey years (i.e., directly comparing data from one year to another), several steps are necessary to assure accurate comparability. There are three areas of concern:

- comparability of survey eligibility,
- comparability of sampling procedures, and
- comparability of individual survey elements.

This technical memorandum will discuss each of these comparability concerns as they apply to intertemporal comparisons between the 1978, 1983, and 1988 PPCIS.

### 4.2 Comparability of Survey Eligibility

The major sample eligibility differences among the three surveys are outlined in Exhibit 4-1. There were four ways in which eligibility differed among the three surveys: specialties included, practice size, employment status, and whether physicians were in the same practice for the entire reference year.

The surveys differed greatly in the number of specialties that were included. The 1978 PPCIS restricted eligibility to only 18 specialties, while the later surveys included all specialties. This is an important exclusion, as many of the 80 specialties found in the 1983 and 1988 surveys were not included in the 1978 sample. Many of the excluded specialties were primarily hospital-based, such as emergency medicine and trauma surgery.

The second eligibility difference was practice size, defined as the number of full-time equivalent physicians formally associated with the group. The 1983 and 1988 surveys include all practice sizes, while the 1978 survey includes only those reporting a group size of less than 10 full-time physicians. This is also an important exclusion because on the 1983 and 1988 surveys roughly 10 percent of respondents practiced in groups larger than ten.

The third eligibility requirement that differs across years is employment status. The basic "core" of physicians eligible for each of the three surveys did not differ substantially. Each of the three surveys restricted their sample to active, full-time patient care physicians, allowing both self-employed and employed physicians to respond. All three surveys excluded physicians employed by the Federal government.

However, while all three surveys allow both physicians that are self-employed or employed by another physician(s), only the 1983 survey includes physicians employed by an HMO, clinic, hospital, or faculty practice plan. Radiologists and pathologists that were employed by an HMO, clinic, or hospital were included in the 1978 survey, whereas the 1988 survey excluded them altogether.

Finally, the 1983 survey did not require the physician to have been in active practice during the entire reference year, whereas the other two surveys did have such a requirement.

### 4.3 Comparability of Sampling Procedures

All three surveys were national in scope and stratified to ensure that sufficient numbers of physicians were sampled within specialty, geographic region, and urbanicity. The 1978 PPCIS drew a sample from a stratification by 18 specialty groups, 4 geographic regions, and 5 urbanicity measures. Similarly, the 1983 PPCIS was stratified by 17 specialty categories, 4 geographic regions, and 2 urbanicity measures. The 1988 PPCIS placed even greater emphasis on stratification by geographic region. The 1988 PPCIS was stratified by 16 specialties, 9 Census Divisions, and three levels of urbanicity.

\*\*\* UNWEIGHTED \*\*\*

HRS SPENT ON REGULAR HOSPITAL ROUNDS

PRD100	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	24	0.7	24	0.7
OONT KNOW	15	0.4	39	1.1
MISSING	8	0.2	47	1.3
REFUSAL	1	0.0	48	1.4
VALIO SKIP	445	12.7	493	14.1
NONE	814	23.2	1307	37.3
VALIO VALUES	2198	62.7	3505	100.0

HRS SPENT ON OTHER MEDICAL ACTIVITIES

PR010E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	3	0.1	3	0.1
DONT KNOW	16	0.5	19	0.5
MISSING	13	0.4	32	0.9
REFUSAL	1	0.0	33	0.9
VALID SKIP	445	12.7	478	13.6
NONE	2055	58.6	2533	72.3
VALIO VALUES	972	27.7	3505	100.0

# OF PATIENTS SEEN IN R'S OFFICE LAST WK

PR011A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	21	0.6	21	0.6
MISSING	8	0.2	29	0.8
REFUSAL	2	0.1	31	0.9
VALIO SKIP	457	13.0	488	13.9
NONE	99	2.8	587	16.7
VALIO VALUES	2918	83.3	3505	100.0

# OF PATIENTS SEEN IN HOSPITAL LAST WK

PR011B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	5	0.1	5	0.1
DONT KNOW	28	0.8	33	0.9
MISSING	11	0.3	44	1.3
OUT OF RANGE	1	0.0	45	1.3
UNCOOEABLE	4	0.1	49	1.4
VALID SKIP	470	13.4	519	14.8
NONE	1171	33.4	1690	48.2
VALIO VALUES	1815	51.8	3505	100.0

# OF OPERATIONS AND ASSISTS LAST WK

PRD11C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	1	0.0	1	0.0
OONT KNOW	12	0.3	13	0.4
MISSING	9	0.3	22	0.6
VALIO SKIP	473	13.5	495	14.1
NONE	1481	42.3	1976	56.4
VALIO VALUES	1529	43.6	3505	100.0



the classification of those expenses that did not directly correspond to any of the categories provided (e.g., utilities). The "Total Expenses" category is particularly difficult to compare across years because it is not clear whether it is simply a sum of expenses reported elsewhere in the questionnaire or whether any additional costs should be reported in the total. Reconciling during the interview was supposed to have resolved such differences, however this check is not particularly reliable.

Unless otherwise noted in Exhibit 4-4, expense values from all three surveys pertain to the entire practice.\* If a "physician's share" is desirable, then expense variables should be divided by the number of physicians in the practice (implicitly assuming that physicians share costs equally). The researcher should decide whether it is appropriate to include all physicians or only physician owners in the divisor. Questions 9A on the 1978 survey and question 10 on the 1983 survey asked whether expenses were shared, but did not ask whether they were shared equally.

Finally, the "Net Income" questions compare well across years. Each survey enables the separation of net income from medical activities other than the main practice. The 1988 PPCIS asks for both the percent and the dollar value of income from medical activities other than the main practice.

#### 4.5 Creating a Three-Year Intertemporal Dataset

The information contained in the exhibits provides general insights into intertemporal comparisons among the three PPCIS surveys. In summary, comparability is achieved by limiting the more comprehensive surveys (1983 and 1988) to the eligibility requirements of the more restrictive 1978 PPCIS. The following steps are necessary:

- Restrict the 1983 and 1988 surveys to physicians practicing in groups of less than 10, based on a measure of full-time physicians.
- Restrict the 1983 and 1988 surveys to physicians identified as being in one of the 18 specialties eligible to participate in the 1978 survey.
- Restrict the 1983 survey to self-employed physicians and physicians employed by another physician or group of physicians.
- Achieve comparability across data elements by appropriately adjusting target variables. This should be done very cautiously, keeping in mind the goal of the analysis.
- It will be necessary to trend dollar figures (expenses and income) forward to 1988 dollars in order to adjust for inflation.

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\*We must assume from the wording and intent of the questions that expense values pertain to a physician's entire practice. However, question 69B on the 1988 survey identifies each case as "practice-level" or "individual-level." Since the other surveys do not ask such a question, no easy tests can be done to determine whether expense values are given at an individual level or practice level.



\*\*\* UNWEIGHTED \*\*\*

# PHYSICIANS WORKING AT LEAST 20 HRS/WK

SIZ12A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
REFUSAL	1	0.0	1	0.0
VALID VALUES	3504	100.0	3505	100.0

# PHYSICIANS NOT PARTNERS OR SHAREHOLDERS

SIZ12B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5	0.1	5	0.1
MISSING	2	0.1	7	0.2
REFUSAL	2	0.1	9	0.3
NONE	2597	74.1	2606	74.4
VALID VALUES	899	25.6	3505	100.0

# PART-TIME PHYSICIANS W/ < 20 HRS/WEEK

SIZ12C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MISSING	3	0.1	7	0.2
REFUSAL	1	0.0	8	0.2
NONE	3268	93.2	3276	93.5
VALID VALUES	229	6.5	3505	100.0

# PART-TIME PHYSICIAN EMPLOYEES

SIZ12D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	4	0.1	6	0.2
UNCODEABLE	1	0.0	7	0.2
VALID SKIP	8	0.2	15	0.4
NONE	3341	95.3	3356	95.7
VALID VALUES	149	4.3	3505	100.0

TOTAL PHYSICIANS IN Rs SPECIALTY

SIZ13	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MAIL QUEST.	10	0.3	18	0.5
MISSING	49	1.4	67	1.9
REFUSAL	1	0.0	68	1.9
VALID SKIP	1659	47.3	1727	49.3
VALID VALUES	1778	50.7	3505	100.0

TOTAL # OF NON-PHYSICIAN EMPLOYEES

SIZ14	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.2	7	0.2
MAIL QUEST.	10	0.3	17	0.5
MISSING	4	0.1	21	0.6
OUT OF RANGE	2	0.1	23	0.7
REFUSAL	1	0.0	24	0.7
UNCODEABLE	1	0.0	25	0.7
NONE	328	9.4	353	10.1
VALID VALUES	3152	89.9	3505	100.0

## CHAPTER 4

### *EXHIBITS*

- Exhibit 4-1 Comparison of Eligibility Criteria for the 1978, 1983, and 1988 PPCIS
- Exhibit 4-2 1978, 1983, and 1988 PPCIS Specialty Crosswalk
- Exhibit 4-3 Specialties excluded from the 1978 PPCIS

\*\*\* UNWEIGHTED \*\*\*

# OF LPNs R'S PRACTICE EMPLOYED IN 88

SIZ1501	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	31	0.9	32	0.9
MAIL QUEST.	10	0.3	42	1.2
MISSING	12	0.3	54	1.5
OUT OF RANGE	1	0.0	55	1.6
REFUSAL	2	0.1	57	1.6
UNCODEABLE	3	0.1	60	1.7
VALID SKIP	328	9.4	388	11.1
NONE	2204	62.9	2592	74.0
VALID VALUES	913	26.0	3505	100.0

# OF LPNs WHO WORK 20 HRS A WK

SIZ15D2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	1	0.0	2	0.1
MISSING	6	0.2	8	0.2
VALID SKIP	2591	73.9	2599	74.2
NONE	35	1.0	2634	75.1
VALID VALUES	871	24.9	3505	100.0

# OF MEDICAL AIDES R'S PRACTICE EMPLOYED

SIZ15E1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	32	0.9	32	0.9
MAIL QUEST.	10	0.3	42	1.2
MISSING	12	0.3	54	1.5
OUT OF RANGE	2	0.1	56	1.6
REFUSAL	2	0.1	58	1.7
UNCODEABLE	3	0.1	61	1.7
VALID SKIP	328	9.4	389	11.1
NONE	1646	47.0	2035	58.1
VALID VALUES	1470	41.9	3505	100.0

# OF MEDICAL AIDES WHO WORK 20 HRS A WK

SIZ15E2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	16	0.5	19	0.5
OUT OF RANGE	1	0.0	20	0.6
VALID SKIP	2035	58.1	2055	58.6
NONE	76	2.2	2131	60.8
VALID VALUES	1374	39.2	3505	100.0

# OF PAs/NPs R's PRACTICE EMPLOYED

SIZ15F1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	31	0.9	32	0.9
MAIL QUEST.	10	0.3	42	1.2
MISSING	12	0.3	54	1.5
REFUSAL	2	0.1	56	1.6
UNCODEABLE	3	0.1	59	1.7
VALID SKIP	328	9.4	387	11.0
NONE	2658	75.8	3045	86.9
VALID VALUES	460	13.1	3505	100.0

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**EXHIBIT 4-1****COMPARISON OF ELIGIBILITY CRITERIA FOR THE 1978, 1983, AND 1988 PPCIS**

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	<u>1978</u>	<u>1983</u>	<u>1988</u>
Specialty	Must be one of 18 specialties (a)	All specialties	All specialties
Practice Size	Less than 10 full-time physicians (b)	All practice sizes	All practice sizes
Employment	Includes owners and physician employees, EXCEPT those employed by a hospital, clinic, HMO, faculty practice or the Federal Government	Includes owners and physician employees, EXCEPT those employed by the Federal Government	Includes owners and physician employees, EXCEPT those employed by a hospital, clinic, HMO, faculty practice or the Federal Government
Same Practice	Physician was in the same practice for all of 1978	Not a requirement	Physician was in the same practice for all of 1988

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(a) The following specialties were included:  
Allergy, Anesthesiology, Cardiovascular Disease, Dermatology, Gastroenterology, General/Family Practice, General Surgery, Internal Medicine, Neurological Surgery, Obstetrics/Gynecology, Ophthalmology, Orthopedic Surgery, Otolaryngology, Pathology, Pediatrics, Psychiatry/Child Psychology, Radiology, and Urology. All other specialties were excluded. Refer to Exhibits 4-2 and 4-3 for more detailed information regarding specialty.

(b) Full-time = 20 hours or more per week.

Source: 1978, 1983, and 1988 Physicians' Practice Costs and Income Surveys.



\*\*\* UNWEIGHTED \*\*\*

WAGES FOR PHYSICIANS IN R'S PRACTICE 88

COS16	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	29	0.8	29	0.8
MISSING	1	0.0	30	0.9
REFUSAL	175	5.0	205	5.8
VALID SKIP	419	12.0	624	17.8
NONE	3	0.1	627	17.9
VALID VALUES	2878	82.1	3505	100.0

TOTAL SPENT FOR PHYSICIAN DEFERRED COMP

COS16A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	557	15.9	557	15.9
DONT KNOW	73	2.1	630	18.0
REFUSAL	157	4.5	787	22.5
UNCODEABLE	5	0.1	792	22.6
VALID SKIP	419	12.0	1211	34.6
NONE	1042	29.7	2253	64.3
VALID VALUES	1252	35.7	3505	100.0

TOTAL SPENT FOR PHYSICIAN FRINGE BENEFIT

COS16B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	451	12.9	451	12.9
DONT KNOW	98	2.8	549	15.7
MISSING	1	0.0	550	15.7
REFUSAL	157	4.5	707	20.2
UNCODEABLE	8	0.2	715	20.4
VALID SKIP	419	12.0	1134	32.4
NONE	662	18.9	1796	51.2
VALID VALUES	1709	48.8	3505	100.0

PROVIDED SEPARATELY (AS ASKED)

COSBX9A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	24	0.7	24	0.7
MISSING	50	1.4	74	2.1
REFUSAL	26	0.7	100	2.9
VALID SKIP	419	12.0	519	14.8
NO	589	16.8	1108	31.6
YES	2397	68.4	3505	100.0

DEFERRED COMP COMBINED WITH TOTAL WAGES

COSBX9A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	10	0.3	10	0.3
MISSING	42	1.2	52	1.5
REFUSAL	5	0.1	57	1.6
VALID SKIP	419	12.0	476	13.6
NO	2609	74.4	3085	88.0
YES	420	12.0	3505	100.0

**SURGICAL SPECIALTIES CONTINUED:**

1978 V2,V4 (a)	1983 SPECIAL	1988 SPECIAL
Otorhinolaryngology (15)	Otorhinolaryngology (42) Rhinology (66)	Otorhinolaryngology (47)
Neurological Surgery (11)	Neurological Surgery (74)	Neurological Surgery (46)

**OTHER SPECIALTIES:**

Psychiatry (17)	Psychiatry (55) Child Psychiatry (56)	Psychiatry (52) Child Psychiatry (51)
Anesthesiology (02)	Anesthesiology (5)	Anesthesiology (54)
Radiology (22)	Radiology (61) Diagnostic Radiology (62) Therapeutic Radiology (64) Nuclear Radiology (34) Pediatric Radiology (63)	Radiology (58) Diagnostic Radiology (55) Radiology Oncology (79) Nuclear Radiology (57) Pediatric Radiology (80)
Pathology (21)	Pathology (43) Clinical Pathology (44) Forensic Pathology (45) Dermatopathology (10) Neuropathology (32)	Pathology (75) Clinical Pathology (71) Forensic Pathology (73) Dermatopathology (72) Neuropathology (74) Anatomical Pathology (76)

(a) If V3=1, then the specialty = V2, but if V3=2, then the specialty = V4.

Note: Specialty codes, as they appear on PPCIS public use files, are in parentheses.

Source: 1978, 1983, and 1988 Physicians' Practice Costs and Income Surveys.

\*\*\* UNWEIGHTED \*\*\*

PROVIDED SEPARATELY AS ASKED

COSB11A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	19	0.5	19	0.5
MISSING	29	0.8	48	1.4
REFUSAL	22	0.6	70	2.0
VALID SKIP	2911	83.1	2981	85.0
NO	153	4.4	3134	89.4
YES	371	10.6	3505	100.0

DEFERRED COMP COMBINED WITH TOTAL WAGES

COSB11A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	19	0.5	19	0.5
MISSING	30	0.9	49	1.4
REFUSAL	22	0.6	71	2.0
VALID SKIP	2911	83.1	2982	85.1
NO	452	12.9	3434	98.0
YES	71	2.0	3505	100.0

FRINGE BENEFITS COMBINED W/ TOTAL WAGES

COSB11A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	19	0.5	19	0.5
MISSING	30	0.9	49	1.4
REFUSAL	22	0.6	71	2.0
VALID SKIP	2911	83.1	2982	85.1
NO	467	13.3	3449	98.4
YES	56	1.6	3505	100.0

BNFTS COMBINED W/DEFERRED COMPENSATION

COSB11A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	19	0.5	19	0.5
MISSING	32	0.9	51	1.5
REFUSAL	22	0.6	73	2.1
VALID SKIP	2911	83.1	2984	85.1
NO	509	14.5	3493	99.7
YES	12	0.3	3505	100.0

TOTAL WAGES FOR NON-PHYSICIAN EMPLOYEES

COS18	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	25	0.7	25	0.7
DONT KNOW	40	1.1	65	1.9
MISSING	2	0.1	67	1.9
REFUSAL	85	2.4	152	4.3
VALID SKIP	419	12.0	571	16.3
NONE	291	8.3	862	24.6
VALID VALUES	2643	75.4	3505	100.0

## EXHIBIT 4-4

## COMPARISON OF SELECTED VARIABLES FROM THE 1978, 1983, AND 1988 PPCIS

	<u>1978</u>	<u>1983</u>	<u>1988</u>
<b>CHARACTERISTICS:</b>			
Number of full-time physicians	Q.9A (asked of self-employed) Q.6A (asked of employed)	Q.8	Q.12A
Number of part-time physicians	Q.9C (asked of self-employed)	Q.9	Q.12C
Total number of FTE physicians	Q.9A + Q.9C/3 (or Q.6A for employees)	Q.8 + Q.9/3	Q.12A + Q.12C/3
Percent Medicare patients/revenues	Q.63D = percent Medicare patients	Q.69B = percent Medicare patients	Q.38B = percent Medicare revenues
<b>PRODUCTIVITY:</b>			
Total hours per week	Q.23 + Q.24	Q.29 + Q.30	Q.9A
Total administrative hours per week	Q.23	Q.29	Q.9B
Total patient care hours per week	Q.24 (disaggregated in Q.25A -- Q.25F)	Q.30 (disaggregated in Q.33A -- Q.33G)	Q.9A - Q.9B (disaggregated in Q.10A -- Q.10F)
<b>PRACTICE EXPENSES:</b>			
Physicians Eligible to Complete the Expense Section	Full/part owner only	Self-employed only	Full/part owner only
Office Space/ Utility Expenses	Q.40A = Total expenses for office space, telephone, and utilities	Q.42A = Rental/lease expense Q.42B = Depreciation expense	Q.19A = Rent expense Q.19B = Depreciation expense Q.19D = Utilities expense
Medical Equipment Expense	Q.40B = Rental and depreciation expenses	Q.44 = Rental expense Q.45 = Depreciation expense	Q.21 = Depreciation, interest, lease and rental expenses
Medical Supplies Expense	Q.40C	Q.48	Q.22 Includes outside lab fees
Physician Employee Payroll Expense	Q.45 = Total wages	Q.51 = Gross wages	Q.17 = Gross wages
Non-Physician Payroll Expense	Q.50 = Total wages	Q.55 = Gross wages	Q.18 = Gross wages



\*\*\* UNWEIGHTED \*\*\*

BNFTS COMBINED W/DEFERRED COMPENSATION

COSB13A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	33	0.9	33	0.9
MISSING	59	1.7	92	2.6
REFUSAL	50	1.4	142	4.1
VALID SKIP	689	19.7	831	23.7
NO	2588	73.8	3419	97.5
YES	86	2.5	3505	100.0

IN 1988 DID R RENT OR OWN OFFICE SPACE

COS19	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	1	0.0	12	0.3
REFUSAL	18	0.5	30	0.9
VALID SKIP	419	12.0	449	12.8
RENT	2234	63.7	2683	76.5
OWN	434	12.4	3117	88.9
BOTH	202	5.8	3319	94.7
NEITHER	186	5.3	3505	100.0

YEARLY OFFICE SPACE RENTAL OR LEASE COST

COS19A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	8	0.2	8	0.2
DONT KNOW	14	0.4	22	0.6
MISSING	1	0.0	23	0.7
OUT OF RANGE	1	0.0	24	0.7
REFUSAL	2	0.1	26	0.7
VALID SKIP	449	12.8	475	13.6
NONE	628	17.9	1103	31.5
VALID VALUES	2402	68.5	3505	100.0

1988 DEPRECIATION COST FOR OFFICE SPACE

COS19B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	8	0.2	8	0.2
DONT KNOW	95	2.7	103	2.9
REFUSAL	9	0.3	112	3.2
UNCODEABLE	2	0.1	114	3.3
VALID SKIP	449	12.8	563	16.1
NONE	2507	71.5	3070	87.6
VALID VALUES	435	12.4	3505	100.0

RENTAL/LEASE INCLUDE UTILITIES/TELEPHONE

COS19C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	4	0.1	10	0.3
REFUSAL	1	0.0	11	0.3
VALID SKIP	803	22.9	814	23.2
UTILITIES/TELE	183	5.2	997	28.4
UTILITIES ONLY	741	21.1	1738	49.6
TELEPHONE ONLY	33	0.9	1771	50.5
NEITHER	1734	49.5	3505	100.0

# PART III

## STRUCTURE OF THE PUBLIC USE FILE

- APPENDIX III-A -- PROC CONTENTS  
(POSITION ORDER)
- APPENDIX III-B -- PROC CONTENTS  
(ALPHABETIC ORDER)
- APPENDIX III-C -- UNWEIGHTED FREQUENCIES
- APPENDIX III-D -- WEIGHTED FREQUENCIES
- APPENDIX III-E -- DESCRIPTIVE STATISTICS  
(UNWEIGHTED AND WEIGHTED)
- APPENDIX III-F -- FORMATS FOR FORMATTED FREQUENCIES

\*\*\* UNWEIGHTED \*\*\*

ANNUAL EXPENSES FOR ALL MEDICAL SUPPLIES

COS22	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	38	1.1	38	1.1
DO NOT KNOW	133	3.8	171	4.9
MISSING	2	0.1	173	4.9
REFUSAL	39	1.1	212	6.0
VALID SKIP	419	12.0	631	18.0
NONE	449	12.8	1080	30.8
VALID VALUES	2425	69.2	3505	100.0

OFFICE SUPPLIES INCLUDED IN COS22

COSBOX16	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	257	7.3	257	7.3
MAIL QUEST.	10	0.3	267	7.6
MISSING	226	6.4	493	14.1
REFUSAL	26	0.7	519	14.8
VALID SKIP	419	12.0	938	26.8
NO	2380	67.9	3318	94.7
YES	187	5.3	3505	100.0

MALPRACTICE INSURANCE COST ALL MEMBERS

COS23	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	6	0.2	6	0.2
DO NOT KNOW	30	0.9	36	1.0
REFUSAL	29	0.8	65	1.9
UNCODEABLE	1	0.0	66	1.9
VALID SKIP	419	12.0	485	13.8
NONE	50	1.4	535	15.3
VALID VALUES	2970	84.7	3505	100.0

AUTOMOBILE UPKEEP AND DEPRECIATION COST

COS24	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	22	0.6	22	0.6
DO NOT KNOW	158	4.5	180	5.1
MISSING	1	0.0	181	5.2
REFUSAL	38	1.1	219	6.2
VALID SKIP	419	12.0	638	18.2
NONE	1110	31.7	1748	49.9
VALID VALUES	1757	50.1	3505	100.0

CONTINUING EDUCATION EXPENSES FOR 1988

COS25	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	35	1.0	35	1.0
DO NOT KNOW	81	2.3	116	3.3
REFUSAL	31	0.9	147	4.2
VALID SKIP	419	12.0	566	16.1
NONE	259	7.4	825	23.5
VALID VALUES	2680	76.5	3505	100.0

## 1.0 CONTENTS OF THE 1988 PPCIS PUBLIC USE FILE

The 1988 PPCIS Public Use File is a nine track, EBCDIC encoded, IBM standard label tape with a density of 6,250 bits per inch. The tape contains six files:

- **Label 1—PUBUSE.ANALYTIC.DATA** is a SAS system file containing the survey data. "PUBUSE" denotes the SAS member name.
- **Label 2—PUBUSE.CONTENTES** contains a SAS Proc CONTENTS for the file, including variable names, position, and label. A hardcopy version is presented in Appendix III-A (position order) and Appendix III-B (alphabetic order).
- **Label 3—PUBUSE.UNWT.FREQS** is a machine readable copy of the unweighted formatted frequencies. A hardcopy version is presented in Appendix III-C.
- **Label 4—PUBUSE.WT.FREQS** is a machine readable copy of the weighted formatted frequencies for the same variables reported in Label 3. A hardcopy version is presented in Appendix III-D.
- **Label 5—PUBUSE.STATS** is a machine readable copy of the unweighted and weighted descriptive statistics. A hardcopy version is presented in Appendix III-E.
- **Label 6—PUBUSE.FORMATS** is a machine readable copy of the program that was used to generate the formatted frequencies. A hardcopy version is presented in Appendix III-F.

The following specifications apply to files Labels 2 through 6: on EBCDIC character files with logical record lengths of 133, block sizes of 13,300, and fixed block record formats.

## 2.0 NOTES TO USERS

Part III of the 1988 PPCIS Handbook contains documentation to assist users (analysts and programmers) of the 1988 PPCIS Public Use File. The SAS Proc CONTENTS are presented in both position and alphabetic orders. Users are reminded that data are accessed by SAS variable name rather than position. Formatted frequencies have been generated for most variables, both weighted and unweighted. The formats presented in Appendix III-F and on Label 6 enable users to replicate these frequencies using SAS Proc FREQ. Descriptive statistics are presented for continuous variables (N, mean, standard deviation, minimum/maximum, coefficient of variation). These can be replicated using SAS Proc MEANS.



\*\*\* UNWEIGHTED \*\*\*

APPROX INCOME NOT FROM MAIN PRACTICE

INC30A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	59	1.7	59	1.7
MAIL QUEST.	10	0.3	69	2.0
MISSING	7	0.2	76	2.2
REFUSAL	4	0.1	80	2.3
VALID SKIP	3304	94.3	3384	96.5
NONE	4	0.1	3388	96.7
VALID VALUES	117	3.3	3505	100.0

OWN MALPRACTICE INSURANCE PAID IN 1988

MAL31	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	64	1.8	64	1.8
OUT OF RANGE	3	0.1	67	1.9
REFUSAL	21	0.6	88	2.5
UNCODEABLE	1	0.0	89	2.5
NONE	51	1.5	140	4.0
VALID VALUES	3365	96.0	3505	100.0

AMOUNT PAID TO PATIENT COMPENSATION FUND

MAL32	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	94	2.7	94	2.7
DONT KNOW	305	8.7	399	11.4
MAIL QUEST.	10	0.3	409	11.7
MISSING	22	0.6	431	12.3
REFUSAL	12	0.3	443	12.6
UNCODEABLE	2	0.1	445	12.7
VALID SKIP	2341	66.8	2786	79.5
NONE	349	10.0	3135	89.4
VALID VALUES	370	10.6	3505	100.0

HOSPITAL PAYS R'S MALPRACTICE INSURANCE

MAL33	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	18	0.5	18	0.5
MAIL QUEST.	10	0.3	28	0.8
MISSING	16	0.5	44	1.3
REFUSAL	15	0.4	59	1.7
NO	3316	94.6	3375	96.3
YES	130	3.7	3505	100.0

TOTL MALPRACTICE INSURANCE HOSPITAL PAID

MAL33A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	55	1.6	55	1.6
MAIL QUEST.	10	0.3	65	1.9
MISSING	2	0.1	67	1.9
UNCODEABLE	1	0.0	68	1.9
VALID SKIP	49	1.4	117	3.3
NONE	3316	94.6	3433	97.9
VALID VALUES	72	2.1	3505	100.0

APPENDIX III-A

*PROC CONTENTS*

(POSITION ORDER)

\*\*\* UNWEIGHTED \*\*\*

TOTAL LIMIT ON ALL MALPRACTICE POLICIES

MAL36	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	115	3.3	115	3.3
MISSING	4	0.1	119	3.4
REFUSAL	9	0.3	128	3.7
VALID SKIP	31	0.9	159	4.5
\$300K	202	5.8	361	10.3
\$500K	48	1.4	409	11.7
\$600K	247	7.0	656	18.7
\$1MIL	467	13.3	1123	32.0
\$3MIL	1660	47.4	2783	79.4
\$5MIL	154	4.4	2937	83.8
OTHER	568	16.2	3505	100.0

TOTAL LIMIT ON MALPRACTICE (OTHER)

Q36VERB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	2	0.1	3	0.1
OUT OF RANGE	2	0.1	5	0.1
UNCODEABLE	10	0.3	15	0.4
VALID SKIP	2937	83.8	2952	84.2
VALID VALUES	553	15.8	3505	100.0

DOES R HAVE AN UMBRELLA POLICY

MAL37	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	106	3.0	106	3.0
MAIL QUEST.	10	0.3	116	3.3
MISSING	26	0.7	142	4.1
REFUSAL	14	0.4	156	4.5
NO	2444	69.7	2600	74.2
YES	905	25.8	3505	100.0

LIMIT ON R'S UMBRELLA POLICY

MAL37A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	143	4.1	143	4.1
MAIL QUEST.	10	0.3	153	4.4
MISSING	18	0.5	171	4.9
REFUSAL	4	0.1	175	5.0
UNCODEABLE	2	0.1	177	5.0
VALID SKIP	2590	73.9	2767	78.9
< \$1MIL	92	2.6	2859	81.6
\$1MIL - < \$3MIL	414	11.8	3273	93.4
\$3MIL - < \$5MIL	110	3.1	3383	96.5
\$5MIL - < \$10MIL	101	2.9	3484	99.4
\$10MIL - < \$15MIL	10	0.3	3494	99.7
\$15MIL - < \$20MIL	1	0.0	3495	99.7
\$20MIL +	10	0.3	3505	100.0

% OF REVENUES FROM UNINSURED PATIENTS

MED38A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	4	0.1	4	0.1
DONT KNOW	196	5.6	200	5.7
MAIL QUEST.	10	0.3	210	6.0
MISSING	3	0.1	213	6.1
REFUSAL	11	0.3	224	6.4
NONE	263	7.5	487	13.9
VALID VALUES	3018	86.1	3505	100.0

----LIST OF VARIABLES AND ATTRIBUTES BY POSITION----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
1	ID	CHAR	7	4			ID NUMBER OF RESPONDENT
2	WTVAR	NUM	3	11			WEIGHTING VARIABLE
3	CELL	NUM	3	14			THREE SAMPLE VARIABLES
4	SPECIAL	NUM	3	17			DOCTOR'S UNCOLLAPSED SPECIALTY
5	SELFSPEC	NUM	3	20			DOCTOR'S COLLAPSED SPECIALTY
6	SPEC4	NUM	3	23			FOUR ANALYTIC SPECIALTY CATEGORIES
7	OIVISION	NUM	3	26			UPDATED CENSUS DIVISION
8	REGION	NUM	3	29			REGION OF THE COUNTRY (4 CENSUS REGIONS)
9	SMSASIZ	NUM	3	32			THREE LEVELS OF URBANICITY
10	SMSA	NUM	3	35			URBAN, RURAL DICHOTOMY
11	SCR5A	NUM	3	38			R FULL/PART-OWNER OF MAIN PRACTICE IN 88
12	SCR58	NUM	3	41			EMPLOYED BY A PHYSICIAN/GROUP PHYSICIANS
13	SCR5C	NUM	3	44			EMPLOYED BY FACULTY PRACTICE PLAN IN 88
14	SCR5O	NUM	3	47			EMPLOYED BY A HOSPITAL IN 88
15	SCR5E	NUM	3	50			EMPLOYED BY A CLINIC OR HMO IN 88
16	SCR5F	NUM	3	53			EMPLOYED BY A FEDERAL GOVERNMENT AGENCY
17	SCR5G	NUM	3	56			EMPLOYED BY OTHER (SPECIFY) IN 88
18	SCR7C	NUM	3	59			LEGAL STATUS OF MEDICAL PRACTICE IN 1988
19	SCR7O	NUM	3	62			R'S MAIN PRACTICE MULTI-SPECIALTY GROUP
20	PRO8	NUM	3	65			# OF WEEKS R DID NOT PRACTICE IN 1988
21	PRD9A	NUM	3	68			HRS WORKED DURING RECENT WK OF PRACTICE
22	PRO98	NUM	3	71			TOTAL HRS SPENT ON ADMINISTRATIVE DUTIES
23	PRO9D	NUM	3	74			R'S WEEK AVERAGE IN TERMS OF WORKING HRS
24	PRO10A	NUM	3	77			HRS SPENT WITH PATIENTS IN THE OFFICE
25	PRO10B	NUM	3	80			HRS SPENT TREATING PATIENT IN HOSPITAL
26	PRO10C	NUM	3	83			HRS SPENT ON OPERATIONS/SURGICAL ASISTS
27	PRO10O	NUM	3	86			HRS SPENT ON REGULAR HOSPITAL ROUNDS
28	PRO10E	NUM	3	89			HRS SPENT ON OTHER MEDICAL ACTIVITIES
29	PRO11A	NUM	3	92			# OF PATIENTS SEEN IN R'S OFFICE LAST WK
30	PRO118	NUM	3	95			# OF PATIENTS SEEN IN HOSPITAL LAST WK
31	PRO11C	NUM	3	98			# OF OPERATIONS AND ASISTS LAST WK
32	PRO11C1	NUM	3	101			# OF OPERATIONS ON AN OUTPATIENT BASIS
33	PRO11C2	NUM	3	104			PERFORM OPS IN FREESTANDING SURG FACIL
34	PRO11O	NUM	3	107			# OF INPATIENTS SEEN ON HOSPITAL ROUNDS
35	SIZ12A	NUM	3	110			# PHYSICIANS WORKING AT LEAST 20 HRS/WK
36	SIZ128	NUM	3	113			# PHYSICIANS NOT PARTNERS OR SHAREHOLDERS
37	SIZ12C	NUM	3	116			# PART-TIME PHYSICIANS W/ < 20 HRS/WEEK
38	SIZ12D	NUM	3	119			# PART-TIME PHYSICIAN EMPLOYEES
39	SIZ13	NUM	3	122			TOTAL PHYSICIANS IN R'S SPECIALTY
40	SIZ14	NUM	3	125			TOTAL # OF NON-PHYSICIAN EMPLOYEES
41	SIZ15A1	NUM	3	128			# OF SOCIAL WORKER R'S PRACTICE EMPLOYED
42	SIZ15A2	NUM	3	131			# OF SOCIAL WORKERS WHO WORK 20 HRS A WK
43	SIZ15B1	NUM	3	134			# OF CRNAs R'S PRACTICE EMPLOYED IN 88
44	SIZ15B2	NUM	3	137			# OF CRNAs WHO WORK 20 HRS A WK
45	SIZ15C1	NUM	3	140			# OF RNs R'S PRACTICE EMPLOYED IN 88
46	SIZ15C2	NUM	3	143			# OF RNs WHO WORK 20 HRS A WK
47	SIZ15D1	NUM	3	146			# OF LPNs R'S PRACTICE EMPLOYED IN 88
48	SIZ15O2	NUM	3	149			# OF LPNs WHO WORK 20 HRS A WK
49	SIZ15E1	NUM	3	152			# OF MEDICAL AIDES R'S PRACTICE EMPLOYED
50	SIZ15E2	NUM	3	155			# OF MEDICAL AIDES WHO WORK 20 HRS A WK
51	SIZ15F1	NUM	3	158			# OF PAs/NPs R'S PRACTICE EMPLOYED
52	SIZ15F2	NUM	3	161			# OF PAs/NPs WHO WORK 20 HRS/WEEK
53	SIZ15G1	NUM	3	164			# OF OTHER PT CARE EMPs IN R'S PRACTICE
54	SIZ15G2	NUM	3	167			# OF OTH PT CARE EMPs WHO WORK 20 HRS/WK
55	SIZ15H1	NUM	3	170			# OF CLERICAL STAFF R'S PRACTICE EMPLOYED
56	SIZ15H2	NUM	3	173			# OF CLERICAL STAFF WHO WORK 20 HRS A WK
57	COS16	NUM	5	176			WAGES FOR PHYSICIANS IN R'S PRACTICE 88
58	COS16A	NUM	5	181			TOTAL SPENT FOR PHYSICIAN DEFERRED COMP
59	COS16B	NUM	5	186			TOTAL SPENT FOR PHYSICIAN FRINGE BENEFIT
60	COS8X9A1	NUM	3	191			PROVIDED SEPARATELY (AS ASKED)
61	COS8X9A2	NUM	3	194			DEFERRED COMP COMBINED WITH TOTAL WAGES
62	COS8X9A3	NUM	3	197			FRINGE BENEFITS COMBINED W/TOTAL WAGES
63	COSBX9A4	NUM	3	200			BNFTS COMBINED W/DEFERRED COMPENSATION
64	COS17	NUM	5	203			TOTAL WAGES FOR PHYSICIAN EMPLOYEES 88
65	COS17A	NUM	5	208			TOTAL SPENT FOR MD EMPs DEFERRED COMP
66	COS17B	NUM	5	213			TOTAL SPENT FOR MD EMPs FRINGE BENEFITS
67	COSB11A1	NUM	3	218			PROVIDED SEPARATELY AS ASKED
68	COS811A2	NUM	3	221			DEFERRED COMP COMBINED WITH TOTAL WAGES
69	COS811A3	NUM	3	224			FRINGE BENEFITS COMBINED W/ TOTAL WAGES
70	COSB11A4	NUM	3	227			BNFTS COMBINED W/DEFERRED COMPENSATION
71	COS18	NUM	4	230			TOTAL WAGES FOR NON-PHYSICIAN EMPLOYEES
72	COS18A	NUM	4	234			TOTAL SPENT NON-PHYSICIAN DEFERRED COMP
73	COS18B	NUM	4	238			TOTAL SPENT NON-PHYSICIAN FRINGE BENEFIT
74	COSB13A1	NUM	3	242			PROVIDED SEPARATELY AS ASKED
75	COSB13A2	NUM	3	245			DEFERRED COMP COMBINED WITH TOTAL WAGES
76	COSB13A3	NUM	3	248			FRINGE BENEFITS COMBINED W/TOTAL WAGES
77	COSB13A4	NUM	3	251			BNFTS COMBINED W/DEFERRED COMPENSATION



\*\*\* UNWEIGHTED \*\*\*

PERCENTAGES REPORTED COMBINED/SEPARATELY

MEOBX21B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	94	2.7	94	2.7
MAIL QUEST.	10	0.3	104	3.0
MISSING	93	2.7	197	5.6
REFUSAL	10	0.3	207	5.9
COMBINEO SEPARATELY	511 2787	14.6 79.5	718 3505	20.5 100.0

PERCENTAGES INDIVIDUAL OR PRACTICE LEVEL

MEOBX21C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	94	2.7	94	2.7
MAIL QUEST.	10	0.3	104	3.0
MISSING	146	4.2	250	7.1
REFUSAL	8	0.2	258	7.4
INDIVIDUAL	1541	44.0	1799	51.3
PRACTICE	1706	48.7	3505	100.0

% OF MEDICARE HAO SUPPLEMENTAL INSURANCE

ME038G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	423	12.1	423	12.1
MAIL QUEST.	10	0.3	433	12.4
MISSING	9	0.3	442	12.6
REFUSAL	7	0.2	449	12.8
VALIO SKIP	253	7.2	702	20.0
NONE	71	2.0	773	22.1
VALIO VALUES	2732	77.9	3505	100.0

% OF MEDICARE CASES COVERED BY MEDICAID

ME038H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	2	0.1	2	0.1
OONT KNOW	335	9.6	337	9.6
MAIL QUEST.	10	0.3	347	9.9
MISSING	9	0.3	356	10.2
REFUSAL	8	0.2	364	10.4
VALIO SKIP	253	7.2	617	17.6
NONE	360	10.3	977	27.9
VALIO VALUES	2528	72.1	3505	100.0

SIGN MEDICARE AGREEMENT IN APRIL 1988

ME039	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	20	0.6	20	0.6
MAIL QUEST.	2	0.1	22	0.6
MISSING	4	0.1	26	0.7
REFUSAL	4	0.1	30	0.9
VALIO SKIP	253	7.2	283	8.1
NO	1603	45.7	1886	53.8
YES	1619	46.2	3505	100.0

----LIST OF VARIABLES AND ATTRIBUTES BY POSITION----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
154	EQU45A3	NUM	3	521			X-RAY EQUIPMENT RENTED
155	EQU47A	NUM	6	524			TOTAL COST OF X-RAY EQUIPMENT
156	EQU48A	NUM	3	530			X-RAY EQUIPMENT COSTS SHARED
157	EQU49A	NUM	4	533			R SHARE OF X-RAY EQUIPMENT COSTS
158	EQU50A	NUM	6	537			MAINTENANCE COST FOR X-RAY EQUIPMENT
159	EQU51A	NUM	6	543			# OF TESTS PERFORMD USING X-RAY EQPMNT
160	EQU44B	NUM	3	549			R OWNS/LEASES/RENTS EKG EQUIPMENT
161	EQU44AB	NUM	3	552			R HAS INVESTMENT IN ROUTINE EKG EQPMNT
162	EQU45B1	NUM	3	555			EKG EQUIPMENT PURCHASED
163	EQU45B2	NUM	3	558			EKG EQUIPMENT LEASED
164	EQU45B3	NUM	3	561			EKG EQUIPMENT RENTED
165	EQU47B	NUM	6	564			TOTAL COST OF EKG EQUIPMENT
166	EQU48B	NUM	3	570			ROUTINE EKG EQUIPMENT COSTS SHARED
167	EQU49B	NUM	4	573			R SHARE OF EKG EQUIPMENT COSTS
168	EQU50B	NUM	6	577			MAINTENANCE COST FOR EKG EQUIPMENT
169	EQU51B	NUM	6	583			# OF TESTS PERFORMED USING EKG EQUIPMENT
170	EQU44C	NUM	3	589			R OWNS/LEASES/RENTS/ULTRASOUND EQUIPMENT
171	EQU44AC	NUM	3	592			R HAS INVSTMENT IN DIAG ULTRASOUND EQUIP
172	EQU45C1	NUM	3	595			ULTRASOUND EQUIPMENT PURCHASED
173	EQU45C2	NUM	3	598			ULTRASOUND EQUIPMENT LEASED
174	EQU45C3	NUM	3	601			ULTRASOUND EQUIPMENT RENTED
175	EQU46A	NUM	3	604			R HAS A MODE ULTRASOUND EQUIPMENT
176	EQU46B	NUM	3	607			R HAS B SCAN ULTRASOUND EQUIPMENT
177	EQU46M	NUM	3	610			R HAS M MODE ULTRASOUND EQUIPMENT
178	EQU46R	NUM	3	613			R HAS REAL TIME SCAN ULTRASOUND EQUIPMNT
179	EQU47C	NUM	6	616			TOTAL COST OF ULTRASOUND EQUIPMENT
180	EQU48C	NUM	3	622			ULTRASOUND EQUIPMENT COSTS SHARED
181	EQU49C	NUM	4	625			R SHARE OF ULTRASOUND EQUIPMENT COSTS
182	EQU50C	NUM	6	629			MAINTENANCE COST FOR ULTRASOUND EQUIPMNT
183	EQU51C	NUM	6	635			# TESTS PERFORMD USING ULTRASOUND EQUIP.
184	EQU44D	NUM	3	641			R OWNS/LEASES/RENTS ENDOSCOPY EQUIPMNT
185	EQU44AD	NUM	3	644			R HAS INVESTMENT IN ENDOSCOPY EQUIPMENT
186	EQU45D1	NUM	3	647			R ENDOSCOPY EQUIPMENT PURCHASED
187	EQU45D2	NUM	3	650			UPPER GI ENDOSCOPY EQUIPMENT LEASED
188	EQU45D3	NUM	3	653			UPPER GI ENDOSCOPY EQUIPMENT RENTED
189	EQU47D	NUM	6	656			TOTAL COST OF ENDOSCOPY EQUIPMENT
190	EQU48D	NUM	3	662			ENDOSCOPY EQUIPMENT COSTS SHARED
191	EQU49D	NUM	4	665			R SHARE OF ENDOSCOPY EQUIPMENT COSTS
192	EQU50D	NUM	6	669			MAINTENANCE COST FOR ENDOSCOPY EQUIPMENT
193	EQU51D	NUM	6	675			# OF TESTS PERFORMD USING ENDOSCOPY EQP
194	EQU44E	NUM	3	681			R OWNS/LEASES/RENT SIGMOIDOSCOPY EQPMNT
195	EQU44AE	NUM	3	684			R HAS INVESTMENT IN SIGMOIDOSCOPY EQUIP
196	EQU45E1	NUM	3	687			FLEXIBLE SIGMOIDOSCOPY EQPMNT PURCHASED
197	EQU45E2	NUM	3	690			FLEXIBLE SIGMOIDOSCOPY EQUIPMENT LEASED
198	EQU45E3	NUM	3	693			FLEXIBLE SIGMOIDOSCOPY EQUIPMENT RENTED
199	EQU47E	NUM	6	696			TOTAL COST OF SIGMOIDOSCOPY EQUIPMENT
200	EQU48E	NUM	3	702			SIGMOIDOSCOPY EQUIPMENT COSTS SHARED
201	EQU49E	NUM	4	705			R SHARE OF SIGMOIDOSCOPY EQUIP COSTS
202	EQU50E	NUM	6	709			MAINTENANCE COST FOR SIGMOIDOSCOPY EQUIP
203	EQU51E	NUM	6	715			# TESTS DONE USING SIGMOIDOSCOPY EQPMNT
204	EQU44F	NUM	3	721			R OWNS/LEASES/RENTS/ COLONOSCOPY EQPMNT
205	EQU44AF	NUM	3	724			R HAS INVESTMENT IN COLONOSCOPY EQPMNT
206	EQU45F1	NUM	3	727			COLONOSCOPY EQUIPMENT PURCHASED
207	EQU45F2	NUM	3	730			COLONOSCOPY EQUIPMENT LEASED
208	EQU45F3	NUM	3	733			COLONOSCOPY EQUIPMENT RENTED
209	EQU47F	NUM	6	736			TOTAL COST OF COLONOSCOPY EQUIPMENT
210	EQU48F	NUM	3	742			COLONOSCOPY EQUIPMENT COSTS SHARED
211	EQU49F	NUM	4	745			R SHARE OF COLONOSCOPY EQUIPMENT COSTS
212	EQU50F	NUM	6	749			MAINTENANCE COST OF COLONOSCOPY EQPMNT
213	EQU51F	NUM	6	755			#TESTS PERFORMD USING COLONOSCOPY EQUIP
214	EQU44G	NUM	3	761			R OWNS/LEASES/RENTS STRESS TEST EQUIPMNT
215	EQU44AG	NUM	3	764			R HAS INVESTMENT IN STRESS TEST EQUIP
216	EQU45G1	NUM	3	767			CARDIOVASCULAR EQUIPMENT PURCHASED
217	EQU45G2	NUM	3	770			CARDIOVASCULAR EQUIPMENT LEASED
218	EQU45G3	NUM	3	773			CARDIOVASCULAR EQUIPMENT RENTED
219	EQU47G	NUM	6	776			TOTAL COST OF STRESS TEST EQUIPMENT
220	EQU48G	NUM	3	782			STRESS TEST EQUIPMENT COSTS SHARED
221	EQU49G	NUM	4	785			R SHARE OF STRESS TEST EQUIPMENT COSTS
222	EQU50G	NUM	6	789			MAINTENANCE COST: STRESS TEST EQUIPMENT
223	EQU51G	NUM	6	795			# TESTS DONE USING CARDIOVASCULAR EQUIP
224	EQU44H	NUM	3	801			R OWNS/LEASES/RENTS ECG EQUIPMENT
225	EQU44AH	NUM	3	804			R HAS INVSTMNT IN ECG MONITOR EQUIPMENT
226	EQU45H1	NUM	3	807			ELECTROCARDIOGRAPHIC EQPMNT PURCHASED
227	EQU45H2	NUM	3	810			ELECTROCARDIOGRAPHIC EQUIPMENT LEASED
228	EQU45H3	NUM	3	813			ELECTROCARDIOGRAPHIC EQUIPMENT RENTED
229	EQU47H	NUM	6	816			TOTAL COST OF ECG EQUIPMENT
230	EQU48H	NUM	3	822			ECG EQUIPMENT COSTS SHARED

\*\*\* UNWEIGHTED \*\*\*

% BILL TO PATIENT FOR THE DEDUCTIBLE

MED41C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	114	3.3	114	3.3
MAIL QUEST.	10	0.3	124	3.5
MISSING	16	0.5	140	4.0
REFUSAL	6	0.2	146	4.2
UNCODEABLE	1	0.0	147	4.2
VALID SKIP	787	22.5	934	26.6
NONE	252	7.2	1186	33.8
VALID VALUES	2319	66.2	3505	100.0

% BILL TO PATIENT FOR THE COINSURANCE

MED41D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	127	3.6	127	3.6
MAIL QUEST.	10	0.3	137	3.9
MISSING	23	0.7	160	4.6
REFUSAL	6	0.2	166	4.7
UNCODEABLE	2	0.1	168	4.8
VALID SKIP	787	22.5	955	27.2
NONE	270	7.7	1225	35.0
VALID VALUES	2280	65.0	3505	100.0

% OF DEDUCTIBLE & COINSURANCE R COLLECT

MED42	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	230	6.6	230	6.6
MAIL QUEST.	10	0.3	240	6.8
MISSING	70	2.0	310	8.8
REFUSAL	7	0.2	317	9.0
UNCODEABLE	1	0.0	318	9.1
VALID SKIP	427	12.2	745	21.3
NONE	122	3.5	867	24.7
VALID VALUES	2638	75.3	3505	100.0

RACE OF RESPONDENT

DEM43	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MAIL QUEST.	10	0.3	11	0.3
MISSING	3	0.1	14	0.4
REFUSAL	18	0.5	32	0.9
WHITE	2891	82.5	2923	83.4
HISPANIC	97	2.8	3020	86.2
BLACK	87	2.5	3107	88.6
ASIAN/PACIFIC	379	10.8	3486	99.5
INDIAN/ALASKAN	9	0.3	3495	99.7
OTHER	10	0.3	3505	100.0

R OWNS/LEASES/RENTS X-RAY EQUIPMNT

EQU44A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MAIL QUEST.	10	0.3	12	0.3
MISSING	6	0.2	18	0.5
NO	2624	74.9	2642	75.4
YES	863	24.6	3505	100.0



----LIST OF VARIABLES AND ATTRIBUTES BY POSITION----

#	VARIABLE	TYPE	LENGTH	POSITION	FORMAT	INFORMAT	LABEL
308	LA862A	NUM	3	1132			PRACTICE PERFORMS MULTICHANNEL TESTS
309	LAB62AA	NUM	3	1135			# DIFFERENT MULTICHANNEL TESTS PERFORMED
310	LAB62AB	NUM	3	1138			MULTICHANNEL TESTS PERFORMED DISCRETELY
311	LAB54B	NUM	3	1141			R OWNS/LEASES/RENTS HEMATOLOGY EQUIPMENT
312	LA854A8	NUM	3	1144			R HAS INVESTMENT IN HEMATOLOGY EQUIPMENT
313	LAB55B1	NUM	3	1147			HEMATOLOGY EQUIPMENT PURCHASED
314	LA855B2	NUM	3	1150			HEMATOLOGY EQUIPMENT LEASED
315	LA855B3	NUM	3	1153			HEMATOLOGY EQUIPMENT RENTED
316	LA8568	NUM	6	1156			TOTAL COST OF HEMATOLOGY EQUIPMENT
317	LAB578	NUM	3	1162			HEMATOLOGY EQUIPMENT COSTS SHARED
318	LA8588	NUM	4	1165			R SHARE OF HEMATOLOGY EQUIPMENT COST
319	LA8598	NUM	6	1169			HEMATOLOGY EQUIPMENT MAINTENANCE COSTS
320	LAB608	NUM	5	1175			# OF HEMATOLOGY TESTS PERFORMED
321	LA86181	NUM	3	1180			HEMATOCRIT TESTS PERFORMED
322	LA861B2	NUM	3	1183			HEMOGLOBIN TESTS PERFORMED
323	LA861B3	NUM	3	1186			PROTHROMBIN TIME TESTS PERFORMED
324	LAB6184	NUM	3	1189			COMPLETE BLOOD COUNTS PERFORMED
325	LAB6185	NUM	3	1192			SEDIMENTATION TESTS PERFORMED
326	LAB62B	NUM	3	1195			PRACTICE PERFORMS MULTICHANNEL TESTS
327	LAB628A	NUM	3	1198			# DIFFERENT MULTICHANNEL TESTS PERFORMED
328	LAB628B	NUM	3	1201			MULTICHANNEL TESTS PERFORMED DISCRETELY
329	LA854C	NUM	3	1204			R OWNS/LEASES/RENTS/MICROBIOLOGY EQUIP
330	LA854AC	NUM	3	1207			R HAS INVESTMENT IN MICROBIOLOGY EQUIP
331	LAB55C1	NUM	3	1210			MICROBIOLOGY EQUIPMENT PURCHASED
332	LA855C2	NUM	3	1213			MICROBIOLOGY EQUIPMENT LEASED
333	LAB55C3	NUM	3	1216			MICROBIOLOGY EQUIPMENT RENTED
334	LAB56C	NUM	6	1219			TOTAL COST OF MICROBIOLOGY EQUIPMENT
335	LAB57C	NUM	3	1225			MICROBIOLOGY EQUIPMENT COSTS SHARED
336	LA858C	NUM	4	1228			R SHARE OF MICROBIOLOGY EQUIPMENT COSTS
337	LA859C	NUM	6	1232			MICROBIOLOGY EQUIPMENT MAINTENANCE COSTS
338	LAB60C	NUM	5	1238			# OF MICROBIOLOGY TESTS PERFORMED
339	LA854D	NUM	3	1243			R OWNS/LEASES/RENTS HISTOLOGY EQUIPMENT
340	LA854AD	NUM	3	1246			R HAS INVESTMENT IN HISTOLOGY EQUIPMENT
341	LA855D1	NUM	3	1249			HISTOLOGY EQUIPMENT PURCHASED
342	LAB55D2	NUM	3	1252			HISTOLOGY EQUIPMENT LEASED
343	LAB55D3	NUM	3	1255			HISTOLOGY EQUIPMENT RENTED
344	LA856D	NUM	6	1258			TOTAL COST OF HISTOLOGY EQUIPMENT
345	LAB57D	NUM	3	1264			HISTOLOGY EQUIPMENT COSTS SHARED
346	LAB58D	NUM	4	1267			R SHARE OF HISTOLOGY EQUIPMENT COSTS
347	LA859D	NUM	6	1271			HISTOLOGY EQUIPMENT MAINTENANCE COSTS
348	LA860D	NUM	5	1277			# OF HISTOLOGY TESTS PERFORMED
349	LA863	NUM	3	1282			PCT OF GROSS REV FROM LAB TEST IN OFC
350	LAB64	NUM	3	1285			R LAB PARTICIPATE IN EXTERNAL TESTING
351	LAB65A	NUM	3	1288			LAB PARTICIPATES IN CAP PROGRAM
352	LAB658	NUM	3	1291			LAB PARTICIPATES IN OTHER PROGRAM
353	LAB66A	NUM	3	1294			R LAB CERTIFIED BY MEDICARE TITLE 18
354	LA8668	NUM	3	1297			R LAB CERTIFIED BY A STATE AGENCY
355	LAB66C	NUM	3	1300			R LAB CERTIFIED BY OTHER AGENCY/PROGRAM
356	LAB66D	NUM	3	1303			R LABORATORY NOT CERTIFIED
357	LAB67A	NUM	3	1306			TECHNICIAN USUALLY PERFORMS LAB TESTS
358	LA8678	NUM	3	1309			NURSE USUALLY PERFORMS LAB TESTS
359	LA867C	NUM	3	1312			PHYSICIAN USUALLY PERFORMS LAB TESTS
360	LAB67E	NUM	3	1315			SOMEONE ELSE USUALLY PERFORMS LAB TESTS
361	LAB68	NUM	3	1318			STAFF MEMBERS CERTIFIED BY ASCP
362	EQPMT	NUM	3	1321			PHYSICIANS WHO OWN/LEASE/RENT EQUIPMENT
363	LAB	NUM	3	1324			OWN, LEASE, OR RENT LABORATORY EQUIPMENT
364	EQINVMT	NUM	3	1327			OUTSIDE INVESTMENTS IN EQUIPMENT
365	LABINVMT	NUM	3	1330			OUTSIDE INVESTMENTS IN LAB EQUIPMENT
366	EQU52AR	NUM	8	1333			PHYSICIAN TIME INVOLVED IN X-RAY
367	EQU52BR	NUM	8	1341			PHYSICIAN TIME INVOLVED IN EKG
368	EQU52CR	NUM	8	1349			PHYSICIAN TIME INVOLVED IN ULTRASOUND
369	EQU52DR	NUM	8	1357			PHYSICIAN TIME INVOLVED IN ENDOSCOPY
370	EQU52ER	NUM	8	1365			PHYSICIAN TIME INVOLVED IN SIGMOIDOSCOPY
371	EQU52FR	NUM	8	1373			PHYSICIAN TIME INVOLVED IN COLONOSCOPY
372	EQU52GR	NUM	8	1381			PHYSICIAN TIME INVOLVED IN STRESS TESTS
373	EQU52HR	NUM	8	1389			PHYSICIAN TIME INVOLVED IN ECG
374	EQU52IR	NUM	8	1397			PHYSICIAN TIME INVOLVED IN ECG
375	EQU52JR	NUM	8	1405			PHYSICIAN TIME INVOLVED IN STRESS TEST
376	EQU52KR	NUM	8	1413			PHYSICIAN TIME INVOLVED IN 8LDD POOL IMAGERY
377	EQU52LR	NUM	8	1421			PHYSICIAN TIME INVOLVED IN CT SCAN
378	EQU52MR	NUM	8	1429			PHYSICIAN TIME INVOLVED IN MAG RES IMAGE
379	EQU52NR	NUM	8	1437			PHYSICIAN TIME INVOLVED IN NUCLEAR SCAN
380	EQU53AR	NUM	8	1445			NON-PHYSICIAN TIME SPENT ASSISTING X-RAY
381	EQU53BR	NUM	8	1453			NON-PHYSICIAN TIME SPENT ASSISTING EKG
382	EQU53CR	NUM	8	1461			NON-PHYSICIAN TIME ASSISTING ULTRASOUND
383	EQU53DR	NUM	8	1469			NON-PHYSICIAN TIME ASSISTING ENDOSCOPY
384	EQU53ER	NUM	8	1477			NON-PHYSICIAN TIME ASSISTING SIGMOIDOSCOPY



**METHOD 2: WEIGHTS SUM TO 217,970**

$$\text{NWTVAR}_2_i = \text{WTVAR}_i * (\text{VALIDWT}/\text{NONMISWT})$$

where:

$\text{NWTVAR}_2_i$  = normalized WTVAR for cell i adjusting for missing data using method 2;

$\text{WTVAR}_i$  = WTVAR for cell i;

VALIDWT = sum of the weights for all cases with valid responses (including missing data); and

NONMISWT = sum of the weights for all cases without missing data.

Again, for cell 1101, NWTVAR2 would be as follows:

$$\begin{aligned} \text{WTVAR}_{21101} &= 41.08 * (217,970/207,634.4) \\ &= 43.12. \end{aligned}$$

### 2.2.3 Applying the SAS Code

To illustrate the approach, we provide sample SAS code that can be adapted to the individual researcher's analysis. Three examples are illustrated, corresponding to the three applications presented above.

#### **EXAMPLE 1: Normalize all weights to the completed "n" of 3,505 (assuming no missing data)**

$$\text{NWTVAR} = \text{WTVAR} * (3,505/217,970);$$

#### **EXAMPLE 2: Adjust normalized weights for missing data on MED38B, rescaling to the completed "n" of 3,505**

STEP 1: Determine VALIDN and NONMISSN for MED38B:

MED38BR = MED38B;

IF MED38BR = . THEN MED38BR = 1 (valid skips);

ELSE IF . < MED38BR < 0 THEN MED38BR = 2 (nonresponses);

ELSE IF MED38BR >= 0 THEN MED38BR = 3 (numeric responses);

PROC FREQ MED38BR;

STEP 2: From the PROC FREQ, enter the values for VALIDN (MED38BR = 2 + MED38BR = 3) and NONMISSN (MED38BR = 3) into the equation for NWTVAR1 as follows:

$$\text{NWTVAR}_1 = \text{NWTVAR} * (\text{VALIDN}/\text{NONMISSN});$$

#### **EXAMPLE 2: Adjust weights for missing data on MED38B, rescaling to the weighted "N" of 217,970**

STEP 1: Determine VALIDWT and NONMISWT for MED38B:

MED38BR = MED38B;

IF MED38BR = . THEN MED38BR = 1 (valid skips);

```
ELSE IF . < MED38BR < 0 THEN MED38BR = 2 (nonresponses);  
ELSE IF MED38BR >= 0 THEN MED38BR = 3 (numeric responses);  
PROC FREQ MED38BR;  
WEIGHT WTVAR;
```

STEP 2: From the PROC FREQ, enter the values for VALIDWT (MED38BR = 2 + MED38BR = 3) and NONMISWT (MED38BR = 3) into the equation for NWTVAR2 as follows:

$$\text{NWTVAR2} = \text{WTVAR} * (\text{VALIDWT} / \text{NONMISWT});$$

The user is again reminded that separate normalized weights must be produced for each cross-tabulation, given differences in the number of missing observations on each set of variables. Because of the computational burden involved in producing normalized WTVARs that account for missing data, a reasonable strategy would be to perform all analyses with WTVAR or NWTVAR, and then calculate NWTVAR1 or NWTVAR2 for final tabulations.

### 3.0 PRACTICAL ADVICE FOR USERS OF THE 1988 PPCIS

This technical memorandum contains information, in a question and answer format, that may be helpful to users of the 1988 PPCIS. While much of the information may be repetitive of what is contained elsewhere in the Handbook, it is hoped that this may serve as an index for frequently encountered problems.

#### PRACTICE COSTS

*Q. How can costs per physician in the practice be determined?*

A. Physicians were asked to report costs at the practice level in questions 16 through 26, and the vast majority of physicians reported at the practice level. However, a few physicians reported costs at the individual level. Question INT69B indicates the level of reporting: INT69B = 1 for group level, INT69B = 2 for individual level. (INT69B = 3 for physician employees, who were skipped from this section of the survey.) Per physician costs can be determined using the code:

MDREP = MDSIZE if INT69B = 1,

MDREP = 1 if INT69B = 2.

MDREP (MDs reporting) is then used as the denominator to determine per-physician expenses. For example, per-MD equipment expenses would be derived as follows:

EQUIPMD = COS21/MDREP (without imputed data), or

EQUIPMDI = IMP21/MDREP (with imputed data).

*Q. Why are COS17, COS17A, and COS17B excluded from in the computation of total practice costs (TOTCOST)?*

A. Questions COS16, COS16A, and COS16B ask for wages, deferred compensation and bonuses, and fringe benefits for all physicians in the practice. Questions COS17, COS17A, and COS17B ask for the same values for physician employees only. Thus, including the COS17 series in the calculation of total costs would mean double counting the earnings of physician employees.

The COS17 questions are the only question in the cost section of the survey that ask for a subset of costs provided elsewhere.

*Q. How were "combined" responses handled for questions COS17, COS17A and COS17B handled?*

A. The COS17 questions were unique as they were the only cost questions in the survey that asked for a subset of costs provided elsewhere. In numerous cases, respondents who were unable to provide answers to the cost 17 series made verbatim comments such as "those are included with COS16." These responses were customarily coded as combined values. However, in practice this type of combined could be treated as identical to a don't know, because all COS17 responses were included in COS16 series by definition. Review of the verbatim comments was made for all observations in which a COS17 series question was coded as combined to determine whether the response should be treated as a combined (the value was included in a question other than COS16) or should be treated as a don't know (the value was combined with COS16).



## IMPUTATIONS

*Q. Why are there still missing data in the cost and income questions, even using the imputed variables?*

A. Imputed variables are available for the vast majority of the missing data in the cost and income sections of the survey. However, the physician practice size variables were not imputed, as they were considered so crucial in determining other values. This meant that cost variables could not be imputed if physician practice size, which was included on the right hand side in most imputation regressions, was missing. For example, physician employee earnings were not imputed if the number of physician employees in the practice was not available. Cases that could not be imputed were given a value of ".E" in the imputed variables.

*Q. What is the significance of the ".0, .1 and .2 values" in the imputed variables?*

A. To allow imputed values to be distinguished from imputed values, all IMP (imputed) variables contain one decimal. Most numeric values end in ".0" signifying that they are integer values provided by respondents. All imputed values were rounded and 0.1 was added; thus the ".1" identifies an imputed value. The original data also contained "combined values" in which expenses for one variable could not be broken out from those reported for another variable. In these cases, the variable that was combined was imputed; the imputed values end in ".1". This amount was subtracted from the variable into which it was originally combined. Variables where such "uncombining" took place end in ".2".

*Q. How were physicians who refused to answer COS19 (do you rent or own office space) treated for imputation?*

A. If the response to COS19 was refused, missing, or don't know, respondents were skipped through questions 19A, 19B, and 19D asking about rent, depreciation, telephone, and utilities. For imputation, these respondents were assumed to be renters; COS19A was imputed and COS19B was set to 0.1.

*Q. How were utilities and telephone expenses treated for physicians who did not answer COS19C?*

A. COS19C is intended to indicate whether the values reported for rent or depreciation on office space include utilities and/or telephone. If COS19C was not answered (missing, refused, don't know), physicians were skipped from COS19D asking for utilities/telephone expenditures. For imputations, these observations were treated as if neither utilities nor telephone had been included along with rental/depreciation costs. This may somewhat overstate actual space costs for these physicians. However, alternative approaches would either understate costs (if COS19D was set to zero) or reduce the number of observations available for analysis. Researchers should consider which approach is best for their particular analysis.

*Q. Are office supplies included in COS22 which asked for annual expenses for medical materials and supplies?*

A. Physicians were asked to include office supplies in question 26 (miscellaneous expenses) rather than question 22 (medical supplies). BOX 16 indicates whether office supplies were included in question 22. Because of the high number of non-responses to this BOX, supplies were not purged from COS22 for the imputations.



## SUPPLEMENTAL VARIABLES

*Q. How were the variables NET (net income) and INC29R created?*

A. Physicians were asked to report their own personal net income from all medical activities in INC29. If an exact amount was given, it was entered as INC29A. If not, physicians were asked to provide a range for their income. If this value was less than \$500,000 the appropriate range (1-18) was coded for INC29B. If the physician indicated a range above \$500,000, the interviewer asked for an approximate value that was entered into INC29C.

Two recodes are included on the file: INC29R is a categorical variable similar to INC29B, and NET is a continuous variable. The variable NET combines the information reported in all three INC29 questions. For physicians who provided a numeric answer to INC29A or INC29C, NET was set equal to that value. For physicians who provided a range for INC29B, the midpoint of that range was used to create NET. Physicians reporting in the lowest category, less than \$30,000, were given values of NET equal to \$20,000. INC29R converts the values given in INC29A and INC29C into the ranges reported in INC29B.

Both NET and INC29R are based on imputed variables to reduce the extent of missing data.

*Q. What section of the survey does the PROXY variable correspond to?*

A. The PROXY variable is based on question INT69, which refers to "who completed the cost section." This question was converted to a variable equal to 1 if the section was completed by a proxy, 0 if completed by the physician.

## MISCELLANEOUS RECODES

*Q. Why were some original skips filled with zeroes?*

A. The original survey instrument was designed to avoid needless repetition. For example, if a respondent indicated that there were no nonphysician employees in the practice, the questions regarding earnings for nonphysician employees were skipped. These skips can, however, cause problems for researchers, who must remember to replace the missing values with zeroes for many types of analytic runs. For example, non-MD employee expenses per MD would be overstated if physicians with no nonphysician employees were excluded from the denominator. Thus, a value of zero has been inserted in selected variables that had been skipped by CATI to streamline the administration of the survey questionnaire. The questions that were zero-filled include:

PRD11A-D -	physician visits (skipped if zero <u>hours</u> reported for this medical activity);
SIZ12B -	physician employees full-time (skipped if only one full-time physician in the practice);
SIZ12D -	physician employees part-time (skipped if no part-time physicians in the practice);
SIZ15A1-H1 -	classification of nonphysician employees (skipped if no nonphysician employees);
COS17 -	physician employee wages (skipped if no physician employees);
COS17A -	physician employee deferred compensation and bonuses (skipped if no physician employees);
COS17B -	physician employee fringe benefits (skipped if no physician employees);

- COS18 - nonphysician employee wages (skipped if no nonphysician employees);
- COS18A - nonphysician employee deferred compensation and bonuses (skipped if no nonphysician employees);
- COS18B - nonphysician employee fringe benefits (skipped if no nonphysician employees);
- COS19A - rental or lease expenses (skipped if physician not renting space);
- COS19B - depreciation and interest (skipped if physician not owner of office space);
- COS19D - utility and telephone expenses (skipped if utility and telephone included in lease or depreciation expenses)
- MAL33A - hospital payment of malpractice premiums (skipped if hospital paid nothing);

*Q. How are the number of full-time equivalent physicians in the practice determined?*

A. Variables SIZ12A through SIZ12D contain information about the number of physicians in the practice. SIZ12B (physician employees full time) is a subset of SIZ12A (total physicians full-time), while SIZ12D (physician employees part-time) is a subset of SIZ12C (total physicians part-time).

The number of full-time equivalent physicians in the practice is calculated as  $MDSIZE = SIZ12A + SIZ12C/f$ , where  $f$  is the ratio of a full-time physician as which part-time physicians are counted. In practice, we used 1/3 as this ratio. Since part-time physicians work less than 20 hours a week, and the average workweek of full-time physicians in the survey is well over 40 hours per week, counting part-time physicians as 1/3 rather than 1/2 of a full-time physician seemed appropriate.

The number of full-time equivalent physician owners of the practice is then calculated  $MDOWN = (SIZ12A - SIZ12B) + [(SIZ12C - SIZ12D)/f]$  and the number of full-time equivalent physician employees is calculated  $MDEMP = SIZ12B + SIZ12D/f$ .

*Q. Were any problems found with the physician practice size variables?*

A. The physician practice size variables had a very high response rate, allowing full-time equivalent physicians to be computed for nearly all observations. However, one case appears problematic. ID 2395 reports to be a solo physician; however, all cost values would seem to indicate a much larger practice. Since the cost variables are consistent with each other, they were not treated as outliers. Instead, we feel the physician size variable for this case is inaccurate and treated it as missing for cleaning and imputation runs.

*Q. How can a physician's net income be adjusted for activities outside the main practice?*

A. In question INC29 physicians were asked to report their own personal net incomes from all medical activities. Question INC30 then asked for the percentage of this income from medical activities other than the main practice. If physicians were unable to answer this question, they were asked the approximate amount of income from activities other than the main practice (INC30A).

Using these questions together, income from outside medical activities can be calculated as follows:

$ADJNET = NET * (1 - (INC30/100))$  if  $INC30 \geq 0$ ; else  $ADJNET = NET - INC30A$ .

*Q. What does the value ".P" mean?*

*A. Ten respondents answered mail questionnaires that were abbreviated versions of the regular survey instrument. Questions that these respondents did not answer because they were not asked on the mail surveys are coded as ".P" to distinguish them from other types of skips and nonresponses.*



## 4.0 *INTERTEMPORAL COMPARISONS BETWEEN THE 1978, 1983, AND 1988 PPCIS*

### 4.1 Overview

In many ways the 1978 and 1983 PPCIS surveys are very similar to the 1988 survey. The advantage of this comparability is that it allows analysis of intertemporal as well as cross-sectional physician-level data. Before "pooling" the data from the three survey years (i.e., directly comparing data from one year to another), several steps are necessary to assure accurate comparability. There are three areas of concern:

- comparability of survey eligibility,
- comparability of sampling procedures, and
- comparability of individual survey elements.

This technical memorandum will discuss each of these comparability concerns as they apply to intertemporal comparisons between the 1978, 1983, and 1988 PPCIS.

### 4.2 Comparability of Survey Eligibility

The major sample eligibility differences among the three surveys are outlined in Exhibit 4-1. There were four ways in which eligibility differed among the three surveys: specialties included, practice size, employment status, and whether physicians were in the same practice for the entire reference year.

The surveys differed greatly in the number of specialties that were included. The 1978 PPCIS restricted eligibility to only 18 specialties, while the later surveys included all specialties. This is an important exclusion, as many of the 80 specialties found in the 1983 and 1988 surveys were not included in the 1978 sample. Many of the excluded specialties were primarily hospital-based, such as emergency medicine and trauma surgery.

The second eligibility difference was practice size, defined as the number of full-time equivalent physicians formally associated with the group. The 1983 and 1988 surveys include all practice sizes, while the 1978 survey includes only those reporting a group size of less than 10 full-time physicians. This is also an important exclusion because on the 1983 and 1988 surveys roughly 10 percent of respondents practiced in groups larger than ten.

The third eligibility requirement that differs across years is employment status. The basic "core" of physicians eligible for each of the three surveys did not differ substantially. Each of the three surveys restricted their sample to active, full-time patient care physicians, allowing both self-employed and employed physicians to respond. All three surveys excluded physicians employed by the Federal government.

However, while all three surveys allow both physicians that are self-employed or employed by another physician(s), only the 1983 survey includes physicians employed by an HMO, clinic, hospital, or faculty practice plan. Radiologists and pathologists that were employed by an HMO, clinic, or hospital were included in the 1978 survey, whereas the 1988 survey excluded them altogether.

Finally, the 1983 survey did not require the physician to have been in active practice during the entire reference year, whereas the other two surveys did have such a requirement.

### 4.3 Comparability of Sampling Procedures

All three surveys were national in scope and stratified to ensure that sufficient numbers of physicians were sampled within specialty, geographic region, and urbanicity. The 1978 PPCIS drew a sample from a stratification by 18 specialty groups, 4 geographic regions, and 5 urbanicity measures. Similarly, the 1983 PPCIS was stratified by 17 specialty categories, 4 geographic regions, and 2 urbanicity measures. The 1988 PPCIS placed even greater emphasis on stratification by geographic region. The 1988 PPCIS was stratified by 16 specialties, 9 Census Divisions, and three levels of urbanicity.





the classification of those expenses that did not directly correspond to any of the categories provided (e.g., utilities). The "Total Expenses" category is particularly difficult to compare across years because it is not clear whether it is simply a sum of expenses reported elsewhere in the questionnaire or whether any additional costs should be reported in the total. Reconciling during the interview was supposed to have resolved such differences, however this check is not particularly reliable.

Unless otherwise noted in Exhibit 4-4, expense values from all three surveys pertain to the entire practice.\* If a "physician's share" is desirable, then expense variables should be divided by the number of physicians in the practice (implicitly assuming that physicians share costs equally). The researcher should decide whether it is appropriate to include all physicians or only physician owners in the divisor. Questions 9A on the 1978 survey and question 10 on the 1983 survey asked whether expenses were shared, but did not ask whether they were shared equally.

Finally, the "Net Income" questions compare well across years. Each survey enables the separation of net income from medical activities other than the main practice. The 1988 PPCIS asks for both the percent and the dollar value of income from medical activities other than the main practice.

#### 4.5 Creating a Three-Year Intertemporal Dataset

The information contained in the exhibits provides general insights into intertemporal comparisons among the three PPCIS surveys. In summary, comparability is achieved by limiting the more comprehensive surveys (1983 and 1988) to the eligibility requirements of the more restrictive 1978 PPCIS. The following steps are necessary:

- Restrict the 1983 and 1988 surveys to physicians practicing in groups of less than 10, based on a measure of full-time physicians.
- Restrict the 1983 and 1988 surveys to physicians identified as being in one of the 18 specialties eligible to participate in the 1978 survey.
- Restrict the 1983 survey to self-employed physicians and physicians employed by another physician or group of physicians.
- Achieve comparability across data elements by appropriately adjusting target variables. This should be done very cautiously, keeping in mind the goal of the analysis.
- It will be necessary to trend dollar figures (expenses and income) forward to 1988 dollars in order to adjust for inflation.

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\*We must assume from the wording and intent of the questions that expense values pertain to a physician's entire practice. However, question 69B on the 1988 survey identifies each case as "practice-level" or "individual-level." Since the other surveys do not ask such a question, no easy tests can be done to determine whether expense values are given at an individual level or practice level.



## CHAPTER 4

### *EXHIBITS*

- Exhibit 4-1 Comparison of Eligibility Criteria for the 1978, 1983, and 1988 PPCIS
- Exhibit 4-2 1978, 1983, and 1988 PPCIS Specialty Crosswalk
- Exhibit 4-3 Specialties excluded from the 1978 PPCIS



EXHIBIT 4-2  
1978, 1983, AND 1988 PPCIS SPECIALTY CROSSWALK

1978  
V2.V4 (a)

1983  
SPECIAL

1988  
SPECIAL

GENERAL PRACTICE:

General Practice/Family Practice (06)

General Practice (16)  
Family Practice (14)

General Practice (1)  
Family Practice (2)

MEDICAL SPECIALTIES:

Internal Medicine (08)

Internal Medicine (24)

Internal Medicine (3)

Cardiovascular Disease (03)

Cardiovascular Disease (8)

Cardiovascular Disease (4)

Gastroenterology (05)

Gastroenterology (15)

Gastroenterology (5)

Pediatrics (16)

Pediatrics (47)

Pediatrics (20)

Allergy (01)

Allergy (3)

Allergy (6)

Dermatology (04)

Dermatology (9)

Dermatology (9)

SURGICAL SPECIALTIES:

General Surgery (07)

General Surgery (70)

General Surgery (29)

Orthopedic Surgery (14)

Orthopedic Surgery (75)

Orthopedic Surgery (32)

Ophthalmology (13)

Ophthalmology (40)

Ophthalmology (33)

Urological Surgery (18)

Urological Surgery (80)

Urological Surgery (34)

Obstetrics/Gynecology (12)

Obstetrics/Gynecology (37)  
Obstetrics (36)  
Gynecology (19)

Obstetrics/Gynecology (37)  
Obstetrics (38)  
Gynecology (36)

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**EXHIBIT 4-1****COMPARISON OF ELIGIBILITY CRITERIA FOR THE 1978, 1983, AND 1988 PPCIS**

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	<u>1978</u>	<u>1983</u>	<u>1988</u>
Specialty	Must be one of 18 specialties (a)	All specialties	All specialties
Practice Size	Less than 10 full-time physicians (b)	All practice sizes	All practice sizes
Employment	Includes owners and physician employees, EXCEPT those employed by a hospital, clinic, HMO, faculty practice or the Federal Government	Includes owners and physician employees, EXCEPT those employed by the Federal Government	Includes owners and physician employees, EXCEPT those employed by a hospital, clinic, HMO, faculty practice or the Federal Government
Same Practice	Physician was in the same practice for all of 1978	Not a requirement	Physician was in the same practice for all of 1988

---

(a) The following specialties were included:  
Allergy, Anesthesiology, Cardiovascular Disease, Dermatology, Gastroenterology, General/Family Practice, General Surgery, Internal Medicine, Neurological Surgery, Obstetrics/Gynecology, Ophthalmology, Orthopedic Surgery, Otolaryngology, Pathology, Pediatrics, Psychiatry/Child Psychology, Radiology, and Urology. All other specialties were excluded. Refer to Exhibits 4-2 and 4-3 for more detailed information regarding specialty.

(b) Full-time = 20 hours or more per week.

Source: 1978, 1983, and 1988 Physicians' Practice Costs and Income Surveys.

EXHIBIT 4-3  
SPECIALTIES EXCLUDED FROM THE 1978 PPCIS

<u>Excluded Specialty</u>	<u>1983 Specialty Code</u>	<u>1988 Specialty Code</u>
<b>MEDICAL SPECIALTIES:</b>		
Adolescent Medicine	1	8
Allergy and Immunology	4	7
Diabetes	11	10
Endocrinology	13	11
Geriatrics	18	12
Gynecology Oncology	(a)	39
Hematology	20	13
Immunology	22	15
Infectious Diseases	23	14
Nephrology	29	16
Nutrition	35	18
Oncology	39	19
Pediatric Allergy	48	21
Pediatric Cardiology	49	22
Pediatric Endocrinology	50	23
Pediatric Hematology-Oncology	51	24
Pediatric Nephrology	52	25
Neonatal-Perinatal Medicine	27	17
Pulmonary Diseases	60	26
Rheumatology	65	27
<b>SURGICAL SPECIALTIES:</b>		
Cardiovascular Surgery	68	41
Thoracic Surgery	78	42
Plastic Surgery	77	48
Maxillofacial Surgery	73	44
Head and Neck Surgery	72	45
Colon & Rectal Surgery	69	43
Traumatic Surgery	79	49
Vascular Surgery	(a)	50
Pediatric Surgery	76	30
Abdominal Surgery	67	28
Hand Surgery	71	31
<b>OTHER SPECIALTIES:</b>		
Emergency Medicine	12	61
General Preventive Medicine	14	62
Neurology	30	63
Child Neurology	31	60
Occupational Medicine	38	64
Nuclear Medicine	33	56
Psychoanalysis	57	53
Psychosomatic Medicine	58	(a)
Physical Medicine and Rehabilitation	54	68
Public Health	59	67
Other Specialties	81	65
Unspecified Specialties	82	69

(a) There was no separate category coded in 1983.

Source: 1978, 1983, and 1988 Physicians' Practice Costs and Income Surveys.

SURGICAL SPECIALTIES CONTINUED:

1978 V2,V4 (a)	1988 <u>SPECIAL</u>
Otorhinolaryngology (15)	Otorhinolaryngology (47)
Neurological Surgery (11)	Neurological Surgery (46)

OTHER SPECIALTIES:

Psychiatry (17)	Psychiatry (52) Child Psychiatry (51)
Anesthesiology (02)	Anesthesiology (54)
Radiology (22)	Radiology (58) Diagnostic Radiology (55) Radiology Oncology (79) Nuclear Radiology (57) Pediatric Radiology (80)
Pathology (21)	Pathology (75) Clinical Pathology (71) Forensic Pathology (73) Dermatopathology (72) Neuropathology (74) Anatomical Pathology (76)

(a) If V3=1, then the specialty = V2, but if V3=2, then the specialty = V4.

Note: Specialty codes, as they appear on PPCIS public use files, are in parentheses.

Source: 1978, 1983, and 1988 Physicians' Practice Costs and Income Surveys.



### 3.0 PRACTICAL ADVICE FOR USERS OF THE 1988 PPCIS

This technical memorandum contains information, in a question and answer format, that may be helpful to users of the 1988 PPCIS. While much of the information may be repetitive of what is contained elsewhere in the Handbook, it is hoped that this may serve as an index for frequently encountered problems.

#### PRACTICE COSTS

*Q. How can costs per physician in the practice be determined?*

A. Physicians were asked to report costs at the practice level in questions 16 through 26, and the vast majority of physicians reported at the practice level. However, a few physicians reported costs at the individual level. Question INT69B indicates the level of reporting: INT69B = 1 for group level, INT69B = 2 for individual level. (INT69B = 3 for physician employees, who were skipped from this section of the survey.) Per physician costs can be determined using the code:

$$\text{MDREP} = \text{MDSIZE} \text{ if } \text{INT69B} = 1,$$

$$\text{MDREP} = 1 \text{ if } \text{INT69B} = 2.$$

MDREP (MDs reporting) is then used as the denominator to determine per-physician expenses. For example, per-MD equipment expenses would be derived as follows:

$$\text{EQUIPMD} = \text{COS21}/\text{MDREP} \text{ (without imputed data), or}$$

$$\text{EQUIPMDI} = \text{IMP21}/\text{MDREP} \text{ (with imputed data).}$$

*Q. Why are COS17, COS17A, and COS17B excluded from in the computation of total practice costs (TOTCOST)?*

A. Questions COS16, COS16A, and COS16B ask for wages, deferred compensation and bonuses, and fringe benefits for all physicians in the practice. Questions COS17, COS17A, and COS17B ask for the same values for physician employees only. Thus, including the COS17 series in the calculation of total costs would mean double counting the earnings of physician employees.

The COS17 questions are the only question in the cost section of the survey that ask for a subset of costs provided elsewhere.

*Q. How were "combined" responses handled for questions COS17, COS17A and COS17B handled?*

A. The COS17 questions were unique as they were the only cost questions in the survey that asked for a subset of costs provided elsewhere. In numerous cases, respondents who were unable to provide answers to the cost 17 series made verbatim comments such as "those are included with COS16." These responses were customarily coded as combined values. However, in practice this type of combined could be treated as identical to a don't know, because all COS17 responses were included in COS16 series by definition. Review of the verbatim comments was made for all observations in which a COS17 series question was coded as combined to determine whether the response should be treated as a combined (the value was included in a question other than COS16) or should be treated as a don't know (the value was combined with COS16).

\*\*\* UNWEIGHTED \*\*\*

RESONANCE IMAGING EQUIPMENT PURCHASED

EQU45M1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	1	0.0	3	0.1
VALID SKIP	3487	99.5	3490	99.6
NO	5	0.1	3495	99.7
YES	10	0.3	3505	100.0

MAGNETIC RESONANCE IMAGING EQUIP LEASED

EQU45M2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	1	0.0	3	0.1
VALID SKIP	3487	99.5	3490	99.6
NO	11	0.3	3501	99.9
YES	4	0.1	3505	100.0

MAGNETIC RESONANCE IMAGE EQUIPMNT RENTED

EQU45M3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	1	0.0	3	0.1
VALID SKIP	3487	99.5	3490	99.6
NO	15	0.4	3505	100.0

TOTAL COST OF MAGNETIC RES IMAGING EQUIP

EQU47M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	2	0.1	8	0.2
VALID SKIP	3487	99.5	3495	99.7
VALID VALUES	10	0.3	3505	100.0

MAGNETIC RES IMAGING EQUIP COST SHARED

EQU48M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	1	0.0	2	0.1
VALID SKIP	3487	99.5	3489	99.5
NO	11	0.3	3500	99.9
YES	5	0.1	3505	100.0

R SHARE OF MAG RES IMAGERY EQUIP COSTS

EQU49M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
VALID SKIP	3500	99.9	3501	99.9
8	1	0.0	3502	99.9
18	1	0.0	3503	99.9
33	1	0.0	3504	100.0
50	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

# TESTS PERFORMD USING CT SCAN EQUIPMNT

EQU51L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MISSING	1	0.0	5	0.1
VALID SKIP	3481	99.3	3486	99.5
VALID VALUES	19	0.5	3505	100.0

PHYSICIAN TIME INVOLVED IN CT SCAN

EQU52LR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5	0.1	5	0.1
MISSING	1	0.0	6	0.2
VALID SKIP	3481	99.3	3487	99.5
2	1	0.0	3488	99.5
5	1	0.0	3489	99.5
10	2	0.1	3491	99.6
15	2	0.1	3493	99.7
20	4	0.1	3497	99.8
25	1	0.0	3498	99.8
30	4	0.1	3502	99.9
60	2	0.1	3504	100.0
90	1	0.0	3505	100.0

NON-PHYSICIAN TIME ASSISTING CT SCAN

EQU53LR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5	0.1	5	0.1
MISSING	1	0.0	6	0.2
VALID SKIP	3481	99.3	3487	99.5
0	1	0.0	3488	99.5
3	1	0.0	3489	99.5
15	2	0.1	3491	99.6
20	1	0.0	3492	99.6
25	1	0.0	3493	99.7
30	3	0.1	3496	99.7
45	3	0.1	3499	99.8
60	4	0.1	3503	99.9
75	1	0.0	3504	100.0
90	1	0.0	3505	100.0

R OWNS/LEASES/RENTS MAGNETIC RES EQUIP

EQU44M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	7	0.2	8	0.2
VALID SKIP	3321	94.8	3329	95.0
NO	158	4.5	3487	99.5
YES	18	0.5	3505	100.0

R HAS INVESTMNT IN MAG RESONANCE EQUIP

EQU44AM	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	10	0.3	11	0.3
VALID SKIP	3321	94.8	3332	95.1
NO	167	4.8	3499	99.8
YES	6	0.2	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

RADIOLOGISTS - CT SCAN EQUIPMNT LEASED

EQU45L2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	3	0.1	4	0.1
VALID SKIP	3481	99.3	3485	99.4
NO	12	0.3	3497	99.8
YES	8	0.2	3505	100.0

RADIOLOGISTS - CT SCAN EQUIPMENT RENTED

EQU45L3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	3	0.1	4	0.1
VALID SKIP	3481	99.3	3485	99.4
NO	19	0.5	3504	100.0
YES	1	0.0	3505	100.0

TOTAL COST OF CT SCAN EQUIPMENT

EQU47L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	4	0.1	12	0.3
VALID SKIP	3481	99.3	3493	99.7
VALID VALUES	12	0.3	3505	100.0

CT SCAN EQUIPMENT COSTS SHARED

EQU48L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	3	0.1	4	0.1
VALID SKIP	3481	99.3	3485	99.4
NO	17	0.5	3502	99.9
YES	3	0.1	3505	100.0

R SHARE OF CT SCAN EQUIPMENT COSTS

EQU49L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
VALID SKIP	3502	99.9	3503	99.9
34	1	0.0	3504	100.0
50	1	0.0	3505	100.0

MAINTENANCE COST FOR CT SCAN EQUIPMENT

EQU50L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	2	0.1	2	0.1
DONT KNOW	5	0.1	7	0.2
MISSING	4	0.1	11	0.3
VALID SKIP	3481	99.3	3492	99.6
NO MAINT. COST	3	0.1	3495	99.7
VALID VALUES	10	0.3	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

PHYSICIAN TIME IN BLOOD POOL IMAGERY

EQU52KR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
VALID SKIP	3489	99.5	3491	99.6
0	2	0.1	3493	99.7
5	3	0.1	3496	99.7
10	1	0.0	3497	99.8
15	1	0.0	3498	99.8
20	2	0.1	3500	99.9
30	2	0.1	3502	99.9
35	1	0.0	3503	99.9
40	1	0.0	3504	100.0
90	1	0.0	3505	100.0

NON-PHYSICIAN TIME: BLOOD POOL IMAGERY

EQU53KR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
VALID SKIP	3489	99.5	3491	99.6
10	1	0.0	3492	99.6
20	1	0.0	3493	99.7
30	1	0.0	3494	99.7
40	1	0.0	3495	99.7
45	1	0.0	3496	99.7
60	6	0.2	3502	99.9
70	1	0.0	3503	99.9
75	1	0.0	3504	100.0
360	1	0.0	3505	100.0

R OWNS/LEASES/RENTS CT. SCAN EQUIPMENT

EQU44L	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	7	0.2	8	0.2
VALID SKIP	3321	94.8	3329	95.0
NO	152	4.3	3481	99.3
YES	24	0.7	3505	100.0

R HAS INVESTMENT IN CT SCAN EQUIPMENT

EQU44AL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	10	0.3	11	0.3
VALID SKIP	3321	94.8	3332	95.1
NO	170	4.9	3502	99.9
YES	3	0.1	3505	100.0

CT SCAN EQUIPMENT PURCHASED

EQU45L1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	3	0.1	4	0.1
VALID SKIP	3481	99.3	3485	99.4
NO	9	0.3	3494	99.7
YES	11	0.3	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MYOCARDIUM EQUIPMENT RENTED

EQU45K3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
VALID SKIP	3489	99.5	3490	99.6
NO	14	0.4	3504	100.0
YES	1	0.0	3505	100.0

TOTAL COST OF BLOOD POOL IMAGERY EQUIP

EQU47K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	2	0.1	2	0.1
DONT KNOW	4	0.1	6	0.2
MISSING	1	0.0	7	0.2
REFUSAL	1	0.0	8	0.2
VALID SKIP	3489	99.5	3497	99.8
VALID VALUES	8	0.2	3505	100.0

BLOOD POOL IMAGERY EQUIP COSTS SHARED

EQU48K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	1	0.0	2	0.1
VALID SKIP	3489	99.5	3491	99.6
NO	14	0.4	3505	100.0

R SHARE: BLOOD POOL IMAGERY EQUIP COST

EQU49K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	3505	100.0	3505	100.0

MAINT. COSTS: BLOOD POOL IMAGERY EQUIP

EQU50K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	2	0.1	2	0.1
DONT KNOW	5	0.1	7	0.2
REFUSAL	1	0.0	8	0.2
VALID SKIP	3489	99.5	3497	99.8
NO MAINT. COST	4	0.1	3501	99.9
VALID VALUES	4	0.1	3505	100.0

# TESTS PERFORMO USING MYOCARDIUM EQUIP

EQU51K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
VALID SKIP	3489	99.5	3491	99.6
VALID VALUES	14	0.4	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

NON-PHYSICIAN TIME ASSISTING STRESS TEST

EQU53JR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	1	0.0	1	0.0
DONT KNOW	4	0.1	5	0.1
MISSING	2	0.1	7	0.2
VALID SKIP	3427	97.8	3434	98.0
0	1	0.0	3435	98.0
10	2	0.1	3437	98.1
15	2	0.1	3439	98.1
20	5	0.1	3444	98.3
25	3	0.1	3447	98.3
28	1	0.0	3448	98.4
30	21	0.6	3469	99.0
35	1	0.0	3470	99.0
40	4	0.1	3474	99.1
45	9	0.3	3483	99.4
50	1	0.0	3484	99.4
60	16	0.5	3500	99.9
70	1	0.0	3501	99.9
75	1	0.0	3502	99.9
90	1	0.0	3503	99.9
120	2	0.1	3505	100.0

R OWNS/LEASES BLOOD POOL IMAGERY EQUIP

EQU44K	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	5	0.1	6	0.2
VALID SKIP	3362	95.9	3368	96.1
NO	121	3.5	3489	99.5
YES	16	0.5	3505	100.0

R HAS INVSTMNT: BLOOD POOL IMAGERY EQUIP

EQU44AK	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	6	0.2	7	0.2
VALID SKIP	3362	95.9	3369	96.1
NO	131	3.7	3500	99.9
YES	5	0.1	3505	100.0

MYOCARDIUM EQUIPMENT PURCHASED

EQU45K1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
VALID SKIP	3489	99.5	3490	99.6
NO	4	0.1	3494	99.7
YES	11	0.3	3505	100.0

MYOCARDIUM EQUIPMENT LEASED

EQU45K2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
VALID SKIP	3489	99.5	3490	99.6
NO	11	0.3	3501	99.9
YES	4	0.1	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

STRESS TEST EQUIPMENT COSTS SHARED

EQU48J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	5	0.1	7	0.2
VALID SKIP	3427	97.8	3434	98.0
NO	69	2.0	3503	99.9
YES	2	0.1	3505	100.0

R SHARE OF STRESS TEST EQUIP COSTS

EQU49J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	3503	99.9	3503	99.9
25	1	0.0	3504	100.0
33	1	0.0	3505	100.0

MAINTENANCE COST: STRESS TEST EQUIPMENT

EQU50J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	9	0.3	9	0.3
DONT KNOW	17	0.5	26	0.7
MISSING	6	0.2	32	0.9
REFUSAL	2	0.1	34	1.0
VALID SKIP	3427	97.8	3461	98.7
NO MAINT. COST	8	0.2	3469	99.0
VALID VALUES	36	1.0	3505	100.0

# TESTS DONE USING CARDIOVASCULAR EQUIP

EQU51J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	3	0.1	5	0.1
VALID SKIP	3427	97.8	3432	97.9
NONE	1	0.0	3433	97.9
VALID VALUES	72	2.1	3505	100.0

PHYSICIAN TIME INVOLVED IN STRESS TEST

EQU52JR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	1	0.0	1	0.0
DONT KNOW	4	0.1	5	0.1
MISSING	3	0.1	8	0.2
VALID SKIP	3427	97.8	3435	98.0
0	3	0.1	3438	98.1
3	1	0.0	3439	98.1
5	2	0.1	3441	98.2
10	2	0.1	3443	98.2
12	1	0.0	3444	98.3
15	4	0.1	3448	98.4
20	11	0.3	3459	98.7
25	3	0.1	3462	98.8
30	16	0.5	3478	99.2
40	8	0.2	3486	99.5
45	7	0.2	3493	99.7
60	8	0.2	3501	99.9
70	1	0.0	3502	99.9
90	2	0.1	3504	100.0
120	1	0.0	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

R OWNS/LEASES/RENTS STRESS TEST EQUIP

EQU44J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	5	0.1	6	0.2
VALID SKIP	3362	95.9	3368	96.1
NO	59	1.7	3427	97.8
YES	78	2.2	3505	100.0

R HAS INVESTMENT STRESS TEST EQUIPMENT

EQU44AJ	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	7	0.2	8	0.2
VALID SKIP	3362	95.9	3370	96.1
NO	124	3.5	3494	99.7
YES	11	0.3	3505	100.0

CARDIOVASCULAR EQUIPMENT PURCHASED

EQU45J1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	2	0.1	5	0.1
VALID SKIP	3427	97.8	3432	97.9
NO	8	0.2	3440	98.1
YES	65	1.9	3505	100.0

CARDIOVASCULAR EQUIPMENT LEASED

EQU45J2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	2	0.1	4	0.1
VALID SKIP	3427	97.8	3431	97.9
NO	63	1.8	3494	99.7
YES	11	0.3	3505	100.0

CARDIOVASCULAR EQUIPMENT RENTED

EQU45J3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	2	0.1	4	0.1
VALID SKIP	3427	97.8	3431	97.9
NO	73	2.1	3504	100.0
YES	1	0.0	3505	100.0

TOTAL COST OF STRESS TEST EQUIPMENT

EQU47J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	6	0.2	6	0.2
DONT KNOW	18	0.5	24	0.7
MISSING	8	0.2	32	0.9
REFUSAL	1	0.0	33	0.9
VALID SKIP	3427	97.8	3460	98.7
NONE	1	0.0	3461	98.7
VALID VALUES	44	1.3	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MAINTENANCE COST FOR ECG EQUIPMENT

EQU50I	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	8	0.2	8	0.2
DONT KNOW	15	0.4	23	0.7
MISSING	5	0.1	28	0.8
VALID SKIP	3429	97.8	3457	98.6
NO MAINT. COST	14	0.4	3471	99.0
VALID VALUES	34	1.0	3505	100.0

#TESTS PERFORMED USING ECG EQUIPMENT

EQU51I	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	4	0.1	7	0.2
VALID SKIP	3429	97.8	3436	98.0
NONE	2	0.1	3438	98.1
VALID VALUES	67	1.9	3505	100.0

PHYSICIAN TIME INVOLVED IN ECG

EQU52IR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	1	0.0	1	0.0
DONT KNOW	6	0.2	7	0.2
MISSING	4	0.1	11	0.3
VALID SKIP	3429	97.8	3440	98.1
0	2	0.1	3442	98.2
5	5	0.1	3447	98.3
8	1	0.0	3448	98.4
10	7	0.2	3455	98.6
12	2	0.1	3457	98.6
15	17	0.5	3474	99.1
20	14	0.4	3488	99.5
30	8	0.2	3496	99.7
40	2	0.1	3498	99.8
45	2	0.1	3500	99.9
60	4	0.1	3504	100.0
120	1	0.0	3505	100.0

NON-PHYSICIAN TIME ASSISTING ECG

EQU53IR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	1	0.0	1	0.0
DONT KNOW	6	0.2	7	0.2
MISSING	4	0.1	11	0.3
VALID SKIP	3429	97.8	3440	98.1
10	8	0.2	3448	98.4
15	5	0.1	3453	98.5
20	9	0.3	3462	98.8
24	1	0.0	3463	98.8
25	5	0.1	3468	98.9
30	11	0.3	3479	99.3
35	3	0.1	3482	99.3
40	3	0.1	3485	99.4
45	6	0.2	3491	99.6
60	10	0.3	3501	99.9
75	1	0.0	3502	99.9
80	1	0.0	3503	99.9
90	1	0.0	3504	100.0
120	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

CARDIOLOGISTS ECG EQUIPMENT PURCHASED

EQU4511	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	2	0.1	4	0.1
VALID SKIP	3429	97.8	3433	97.9
NO	10	0.3	3443	98.2
YES	62	1.8	3505	100.0

CARDIOLOGISTS - ECG EQUIPMENT LEASED

EQU4512	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	2	0.1	4	0.1
VALID SKIP	3429	97.8	3433	97.9
NO	63	1.8	3496	99.7
YES	9	0.3	3505	100.0

CARDIOLOGISTS - ECG EQUIPMENT RENTED

EQU4513	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	2	0.1	4	0.1
VALID SKIP	3429	97.8	3433	97.9
NO	71	2.0	3504	100.0
YES	1	0.0	3505	100.0

TOTAL COST OF ECG EQUIPMENT

EQU471	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	5	0.1	5	0.1
DONT KNOW	16	0.5	21	0.6
MISSING	6	0.2	27	0.8
REFUSAL	1	0.0	28	0.8
VALID SKIP	3429	97.8	3457	98.6
VALID VALUES	48	1.4	3505	100.0

ECG EQUIPMENT COSTS SHARED

EQU481	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	5	0.1	7	0.2
VALID SKIP	3429	97.8	3436	98.0
NO	64	1.8	3500	99.9
YES	5	0.1	3505	100.0

R SHARE OF ECG EQUIPMENT COSTS

EQU491	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	1	0.0	2	0.1
VALID SKIP	3500	99.9	3502	99.9
50	3	0.1	3505	100.0





\*\*\* UNWEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN ECG

EQU52HR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
40	2	0.1	3479	99.3
45	5	0.1	3484	99.4
60	17	0.5	3501	99.9
90	1	0.0	3502	99.9
120	2	0.1	3504	100.0
180	1	0.0	3505	100.0

NON-PHYSICIAN TIME SPENT ASSISTING ECG

EQU53HR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	8	0.2	8	0.2
DONT KNOW	21	0.6	29	0.8
MISSING	4	0.1	33	0.9
OUT OF RANGE	1	0.0	34	1.0
REFUSAL	3	0.1	37	1.1
VALID SKIP	3293	94.0	3330	95.0
0	10	0.3	3340	95.3
5	5	0.1	3345	95.4
10	10	0.3	3355	95.7
12	2	0.1	3357	95.8
13	1	0.0	3358	95.8
15	20	0.6	3378	96.4
18	1	0.0	3379	96.4
20	28	0.8	3407	97.2
22	1	0.0	3408	97.2
24	1	0.0	3409	97.3
25	5	0.1	3414	97.4
30	39	1.1	3453	98.5
35	4	0.1	3457	98.6
40	1	0.0	3458	98.7
45	18	0.5	3476	99.2
48	1	0.0	3477	99.2
50	1	0.0	3478	99.2
55	1	0.0	3479	99.3
60	20	0.6	3499	99.8
75	1	0.0	3500	99.9
90	2	0.1	3502	99.9
120	2	0.1	3504	100.0
180	1	0.0	3505	100.0

R OWNS/LEASES/RENTS ECG EQUIPMENT

EQU44I	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	4	0.1	5	0.1
VALID SKIP	3362	95.9	3367	96.1
NO	62	1.8	3429	97.8
YES	76	2.2	3505	100.0

R HAS ANY INVESTMENTS IN ECG EQUIPMENT

EQU44AI	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	6	0.2	7	0.2
VALID SKIP	3362	95.9	3369	96.1
NO	132	3.8	3501	99.9
YES	4	0.1	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

ECG EQUIPMENT COSTS SHARED

EQU48H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	12	0.3	20	0.6
VALID SKIP	3293	94.0	3313	94.5
NO	176	5.0	3489	99.5
YES	16	0.5	3505	100.0

R SHARE OF ECG EQUIPMENT COSTS

EQU49H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	1	0.0	2	0.1
VALID SKIP	3489	99.5	3491	99.6
	3	0.1	3493	99.7
	16	0.1	3495	99.7
	20	0.1	3497	99.8
	25	0.1	3499	99.8
	50	0.2	3505	100.0

MAINTENANCE COSTS FOR ECG EQUIPMENT

EQU50H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	11	0.3	11	0.3
DONT KNOW	48	1.4	59	1.7
MISSING	10	0.3	69	2.0
OUT OF RANGE	1	0.0	70	2.0
VALID SKIP	3293	94.0	3363	95.9
NO MAINT. COST	77	2.2	3440	98.1
VALID VALUES	65	1.9	3505	100.0

# TESTS PERFORMED USING ECG EQUIPMENT

EQU51H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	23	0.7	23	0.7
MISSING	3	0.1	26	0.7
OUT OF RANGE	2	0.1	28	0.8
REFUSAL	2	0.1	30	0.9
VALID SKIP	3293	94.0	3323	94.8
NONE	34	1.0	3357	95.8
VALID VALUES	148	4.2	3505	100.0

PHYSICIAN TIME INVOLVED IN ECG

EQU52HR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	8	0.2	8	0.2
DONT KNOW	23	0.7	31	0.9
MISSING	4	0.1	35	1.0
OUT OF RANGE	1	0.0	36	1.0
REFUSAL	3	0.1	39	1.1
VALID SKIP	3293	94.0	3332	95.1
	0	0.2	3339	95.3
	5	0.6	3360	95.9
	10	18	3378	96.4
	12	3	3381	96.5
	13	1	3382	96.5
	15	35	3417	97.5
	20	25	3442	98.2
	23	1	3443	98.2
	24	1	3444	98.3
	25	3	3447	98.3
	30	28	3475	99.1
	35	2	3477	99.2

\*\*\* UNWEIGHTED \*\*\*

R OWNS/LEASES/RENTS ECG EQUIPMENT

EQU44H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1	0.0	1	0.0
MAIL QUEST.	3	0.1	4	0.1
MISSING	31	0.9	35	1.0
VALID SKIP	2699	77.0	2734	78.0
NO	559	15.9	3293	94.0
YES	212	6.0	3505	100.0

R HAS INVSTMNT IN ECG MONITOR EQUIPMENT

EQU44AH	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MAIL QUEST.	3	0.1	4	0.1
MISSING	46	1.3	50	1.4
VALIO SKIP	2699	77.0	2749	78.4
NO	740	21.1	3489	99.5
YES	16	0.5	3505	100.0

ELECTROCARDIOGRAPHIC EQPMNT PURCHASEO

EQU45H1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	5	0.1	5	0.1
MISSING	5	0.1	10	0.3
VALIO SKIP	3293	94.0	3303	94.2
NO	60	1.7	3363	95.9
YES	142	4.1	3505	100.0

ELECTROCARDIOGRAPHIC EQUIPMENT LEASEO

EQU45H2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5	0.1	5	0.1
MISSING	5	0.1	10	0.3
VALIO SKIP	3293	94.0	3303	94.2
NO	151	4.3	3454	98.5
YES	51	1.5	3505	100.0

ELECTROCAROIOGRAPHIC EQUIPMENT RENTED

EQU45H3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	5	0.1	5	0.1
MISSING	5	0.1	10	0.3
VALID SKIP	3293	94.0	3303	94.2
NO	192	5.5	3495	99.7
YES	10	0.3	3505	100.0

TOTAL COST OF ECG EQUIPMENT

EQU47H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	12	0.3	12	0.3
OONT KNOW	63	1.8	75	2.1
MISSING	12	0.3	87	2.5
OUT OF RANGE	1	0.0	88	2.5
REFUSAL	1	0.0	89	2.5
VALID SKIP	3293	94.0	3382	96.5
NONE	3	0.1	3385	96.6
VALIO VALUES	120	3.4	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MAINTENANCE COST: STRESS TEST EQUIPMENT

EQU50G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	10	0.3	10	0.3
DONT KNOW	36	1.0	46	1.3
MISSING	8	0.2	54	1.5
VALID SKIP	3388	96.7	3442	98.2
NO MAINT. COST	24	0.7	3466	98.9
VALID VALUES	39	1.1	3505	100.0

# TESTS DONE USING CARDIOVASCULAR EQUIP

EQU51G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	19	0.5	19	0.5
MISSING	4	0.1	23	0.7
REFUSAL	2	0.1	25	0.7
VALID SKIP	3388	96.7	3413	97.4
NONE	6	0.2	3419	97.5
VALID VALUES	86	2.5	3505	100.0

PHYSICIAN TIME INVOLVED IN STRESS TESTS

EQU52GR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	5	0.1	5	0.1
DONT KNOW	19	0.5	24	0.7
MISSING	2	0.1	26	0.7
REFUSAL	2	0.1	28	0.8
VALID SKIP	3388	96.7	3416	97.5
0	6	0.2	3422	97.6
1	1	0.0	3423	97.7
15	4	0.1	3427	97.8
20	14	0.4	3441	98.2
24	1	0.0	3442	98.2
25	1	0.0	3443	98.2
30	26	0.7	3469	99.0
35	1	0.0	3470	99.0
40	1	0.0	3471	99.0
45	12	0.3	3483	99.4
50	1	0.0	3484	99.4
60	18	0.5	3502	99.9
90	2	0.1	3504	100.0
100	1	0.0	3505	100.0

NON-PHYSICIAN TIME ASSISTING STRESS TEST

EQU53GR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	5	0.1	5	0.1
DONT KNOW	19	0.5	24	0.7
MISSING	3	0.1	27	0.8
REFUSAL	2	0.1	29	0.8
VALID SKIP	3388	96.7	3417	97.5
0	2	0.1	3419	97.5
5	1	0.0	3420	97.6
10	1	0.0	3421	97.6
15	4	0.1	3425	97.7
20	5	0.1	3430	97.9
25	2	0.1	3432	97.9
30	29	0.8	3461	98.7
40	4	0.1	3465	98.9
45	11	0.3	3476	99.2
60	25	0.7	3501	99.9
75	1	0.0	3502	99.9
80	1	0.0	3503	99.9
90	1	0.0	3504	100.0
120	1	0.0	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

CARDIOVASCULAR EQUIPMENT PURCHASED

EQU45G1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	4	0.1	10	0.3
VALID SKIP	3388	96.7	3398	96.9
NO	18	0.5	3416	97.5
YES	89	2.5	3505	100.0

CARDIOVASCULAR EQUIPMENT LEASED

EQU45G2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	4	0.1	10	0.3
VALID SKIP	3388	96.7	3398	96.9
NO	91	2.6	3489	99.5
YES	16	0.5	3505	100.0

CARDIOVASCULAR EQUIPMENT RENTED

EQU45G3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	4	0.1	10	0.3
VALID SKIP	3388	96.7	3398	96.9
NO	105	3.0	3503	99.9
YES	2	0.1	3505	100.0

TOTAL COST OF STRESS TEST EQUIPMENT

EQU47G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	10	0.3	10	0.3
DONT KNOW	42	1.2	52	1.5
MISSING	7	0.2	59	1.7
VALID SKIP	3388	96.7	3447	98.3
VALID VALUES	58	1.7	3505	100.0

STRESS TEST EQUIPMENT COSTS SHARED

EQU48G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	9	0.3	17	0.5
VALID SKIP	3388	96.7	3405	97.1
NO	94	2.7	3499	99.8
YES	6	0.2	3505	100.0

R SHARE OF STRESS TEST EQUIPMENT COSTS

EQU49G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	3499	99.8	3499	99.8
3	2	0.1	3501	99.9
10	1	0.0	3502	99.9
20	2	0.1	3504	100.0
50	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN COLONOSCOPY

EQU52FR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
100	1	0.0	3499	99.8
110	1	0.0	3500	99.9
120	3	0.1	3503	99.9
150	1	0.0	3504	100.0
180	1	0.0	3505	100.0

NON-PHYSICIAN TIME ASSISTING COLONOSCOPY

EQU53FR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OIONT PERFORM	9	0.3	9	0.3
OONT KNOW	21	0.6	30	0.9
MISSING	4	0.1	34	1.0
REFUSAL	1	0.0	35	1.0
VALID SKIP	3379	96.4	3414	97.4
0	8	0.2	3422	97.6
5	2	0.1	3424	97.7
6	1	0.0	3425	97.7
10	3	0.1	3428	97.8
15	5	0.1	3433	97.9
18	1	0.0	3434	98.0
20	6	0.2	3440	98.1
30	9	0.3	3449	98.4
40	2	0.1	3451	98.5
45	7	0.2	3458	98.7
50	3	0.1	3461	98.7
60	21	0.6	3482	99.3
65	1	0.0	3483	99.4
75	4	0.1	3487	99.5
90	6	0.2	3493	99.7
110	1	0.0	3494	99.7
115	1	0.0	3495	99.7
120	6	0.2	3501	99.9
135	1	0.0	3502	99.9
180	1	0.0	3503	99.9
240	1	0.0	3504	100.0
450	1	0.0	3505	100.0

R OWNS/LEASES/RENTS STRESS TEST EQUIPMNT

EQU44G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	2	0.1	2	0.1
MAIL QUEST.	3	0.1	5	0.1
MISSING	30	0.9	35	1.0
VALIO SKIP	2699	77.0	2734	78.0
NO	654	18.7	3388	96.7
YES	117	3.3	3505	100.0

R HAS INVESTMENT IN STRESS TEST EQUIP

EQU44AG	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1	0.0	1	0.0
MAIL QUEST.	3	0.1	4	0.1
MISSING	47	1.3	51	1.5
VALIO SKIP	2699	77.0	2750	78.5
NO	739	21.1	3489	99.5
YES	16	0.5	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

COLONOSCOPY EQUIPMENT COSTS SHARED

EQU48F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	10	0.3	18	0.5
VALID SKIP	3379	96.4	3397	96.9
NO	104	3.0	3501	99.9
YES	4	0.1	3505	100.0

R SHARE OF COLONOSCOPY EQUIPMENT COSTS

EQU49F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
VALID SKIP	3501	99.9	3502	99.9
	3	2	3504	100.0
	33	1	3505	100.0

MAINTENANCE COST OF COLONOSCOPY EQPMNT

EQU50F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	10	0.3	10	0.3
DONT KNOW	39	1.1	49	1.4
MISSING	7	0.2	56	1.6
VALID SKIP	3379	96.4	3435	98.0
NO MAINT. COST	29	0.8	3464	98.8
VALID VALUES	41	1.2	3505	100.0

#TESTS PERFORMD USING COLONOSCOPY EQUIP

EQU51F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	23	0.7	23	0.7
MISSING	4	0.1	27	0.8
OUT OF RANGE	4	0.1	31	0.9
REFUSAL	1	0.0	32	0.9
VALID SKIP	3379	96.4	3411	97.3
NONE	18	0.5	3429	97.8
VALID VALUES	76	2.2	3505	100.0

PHYSICIAN TIME INVOLVED IN COLONOSCOPY

EQU52FR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	9	0.3	9	0.3
DONT KNOW	20	0.6	29	0.8
MISSING	4	0.1	33	0.9
REFUSAL	1	0.0	34	1.0
VALID SKIP	3379	96.4	3413	97.4
0	1	0.0	3414	97.4
3	1	0.0	3415	97.4
5	1	0.0	3416	97.5
9	1	0.0	3417	97.5
10	1	0.0	3418	97.5
15	4	0.1	3422	97.6
18	1	0.0	3423	97.7
20	3	0.1	3426	97.7
25	1	0.0	3427	97.8
30	18	0.5	3445	98.3
35	1	0.0	3446	98.3
40	4	0.1	3450	98.4
45	10	0.3	3460	98.7
50	1	0.0	3461	98.7
60	26	0.7	3487	99.5
65	1	0.0	3488	99.5
75	4	0.1	3492	99.6
90	6	0.2	3498	99.8

\*\*\* UNWEIGHTED \*\*\*

R OWNS/LEASES/RENTS/ COLONOSCOPY EQPMNT

EQU44F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MAIL QUEST.	3	0.1	4	0.1
MISSING	15	0.4	19	0.5
VALID SKIP	2333	66.6	2352	67.1
NO	1027	29.3	3379	96.4
YES	126	3.6	3505	100.0

R HAS INVESTMENT IN COLONOSCOPY EQPMNT

EQU44AF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MAIL QUEST.	3	0.1	5	0.1
MISSING	32	0.9	37	1.1
VALID SKIP	2333	66.6	2370	67.6
NO	1125	32.1	3495	99.7
YES	10	0.3	3505	100.0

COLONOSCOPY EQUIPMENT PURCHASED

EQU45F1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	3	0.1	6	0.2
VALID SKIP	3379	96.4	3385	96.6
NO	14	0.4	3399	97.0
YES	106	3.0	3505	100.0

COLONOSCOPY EQUIPMENT LEASED

EQU45F2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	3	0.1	6	0.2
VALID SKIP	3379	96.4	3385	96.6
NO	112	3.2	3497	99.8
YES	8	0.2	3505	100.0

COLONOSCOPY EQUIPMENT RENTED

EQU45F3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	3	0.1	6	0.2
VALID SKIP	3379	96.4	3385	96.6
NO	115	3.3	3500	99.9
YES	5	0.1	3505	100.0

TOTAL COST OF COLONOSCOPY EQUIPMENT

EQU47F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	10	0.3	10	0.3
DONT KNOW	44	1.3	54	1.5
MISSING	9	0.3	63	1.8
REFUSAL	2	0.1	65	1.9
VALID SKIP	3379	96.4	3444	98.3
NONE	1	0.0	3445	98.3
VALID VALUES	60	1.7	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN SIGMOIDOSCOPY

EQU52ER	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	6	0.2	6	0.2
DONT KNOW	40	1.1	46	1.3
MISSING	9	0.3	55	1.6
REFUSAL	2	0.1	57	1.6
VALID SKIP	3068	87.5	3125	89.2
0	4	0.1	3129	89.3
5	2	0.1	3131	89.3
6	1	0.0	3132	89.4
10	15	0.4	3147	89.8
12	1	0.0	3148	89.8
15	42	1.2	3190	91.0
18	4	0.1	3194	91.1
19	1	0.0	3195	91.2
20	66	1.9	3261	93.0
23	4	0.1	3265	93.2
24	1	0.0	3266	93.2
25	14	0.4	3280	93.6
30	138	3.9	3418	97.5
35	2	0.1	3420	97.6
38	3	0.1	3423	97.7
40	13	0.4	3436	98.0
45	30	0.9	3466	98.9
50	3	0.1	3469	99.0
60	30	0.9	3499	99.8
65	1	0.0	3500	99.9
75	1	0.0	3501	99.9
90	2	0.1	3503	99.9
120	1	0.0	3504	100.0
150	1	0.0	3505	100.0

NON-PHYS TIME ASSISTING SIGMOIDOSCOPY

EQU53ER	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	6	0.2	6	0.2
DONT KNOW	38	1.1	44	1.3
MISSING	11	0.3	55	1.6
OUT OF RANGE	1	0.0	56	1.6
REFUSAL	2	0.1	58	1.7
VALID SKIP	3068	87.5	3126	89.2
0	27	0.8	3153	90.0
1	1	0.0	3154	90.0
3	1	0.0	3155	90.0
5	5	0.1	3160	90.2
6	2	0.1	3162	90.2
9	1	0.0	3163	90.2
10	18	0.5	3181	90.8
15	37	1.1	3218	91.8
16	1	0.0	3219	91.8
18	1	0.0	3220	91.9
20	40	1.1	3260	93.0
23	1	0.0	3261	93.0
25	9	0.3	3270	93.3
30	99	2.8	3369	96.1
35	1	0.0	3370	96.1
36	1	0.0	3371	96.2
38	2	0.1	3373	96.2
40	18	0.5	3391	96.7
45	40	1.1	3431	97.9
48	1	0.0	3432	97.9
50	4	0.1	3436	98.0
53	1	0.0	3437	98.1
60	47	1.3	3484	99.4
65	1	0.0	3485	99.4
75	2	0.1	3487	99.5
80	1	0.0	3488	99.5
85	1	0.0	3489	99.5
90	12	0.3	3501	99.9
120	3	0.1	3504	100.0
135	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

TOTAL COST OF SIGMOIDOSCOPY EQUIPMENT

EQU47E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	15	0.4	15	0.4
DONT KNOW	111	3.2	126	3.6
MISSING	14	0.4	140	4.0
REFUSAL	2	0.1	142	4.1
VALID SKIP	3068	87.5	3210	91.6
NONE	1	0.0	3211	91.6
VALID VALUES	294	8.4	3505	100.0

SIGMOIDOSCOPY EQUIPMENT COSTS SHARED

EQU48E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	18	0.5	31	0.9
VALID SKIP	3068	87.5	3099	88.4
NO	381	10.9	3480	99.3
YES	25	0.7	3505	100.0

R SHARE OF SIGMOIDOSCOPY EQUIP COSTS

EQU49E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
VALID SKIP	3480	99.3	3483	99.4
20	2	0.1	3485	99.4
25	4	0.1	3489	99.5
33	5	0.1	3494	99.7
50	11	0.3	3505	100.0

MAINTENANCE COST FOR SIGMOIDOSCOPY EQUIP

EQU50E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	14	0.4	14	0.4
DONT KNOW	80	2.3	94	2.7
MISSING	19	0.5	113	3.2
REFUSAL	1	0.0	114	3.3
VALID SKIP	3068	87.5	3182	90.8
NO MAINT. COST	156	4.5	3338	95.2
VALID VALUES	167	4.8	3505	100.0

# TESTS DONE USING SIGMOIDOSCOPY EQPMNT

EQU51E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	46	1.3	46	1.3
MISSING	7	0.2	53	1.5
OUT OF RANGE	4	0.1	57	1.6
REFUSAL	2	0.1	59	1.7
VALID SKIP	3068	87.5	3127	89.2
NONE	29	0.8	3156	90.0
VALID VALUES	349	10.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

NON-PHYSICIAN TIME ASSISTING ENDOSCOPY

EQU53DR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
50	1	0.0	3470	99.0
60	22	0.6	3492	99.6
70	1	0.0	3493	99.7
75	1	0.0	3494	99.7
90	6	0.2	3500	99.9
120	5	0.1	3505	100.0

R OWNS/LEASES/RENT SIGMOIDOSCOPY EQPMNT

EQU44E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MAIL QUEST.	3	0.1	4	0.1
MISSING	14	0.4	18	0.5
VALID SKIP	2332	66.5	2350	67.0
NO	718	20.5	3068	87.5
YES	437	12.5	3505	100.0

R HAS INVESTMENT IN SIGMOIDOSCOPY EQUIP

EQU44AE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MAIL QUEST.	3	0.1	5	0.1
MISSING	32	0.9	37	1.1
VALID SKIP	2332	66.5	2369	67.6
NO	1112	31.7	3481	99.3
YES	24	0.7	3505	100.0

FLEXIBLE SIGMOIDOSCOPY EQPMNT PURCHASED

EQU45E1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	9	0.3	15	0.4
VALID SKIP	3068	87.5	3083	88.0
NO	31	0.9	3114	88.8
YES	391	11.2	3505	100.0

FLEXIBLE SIGMOIDOSCOPY EQUIPMENT LEASED

EQU45E2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.2	7	0.2
MISSING	9	0.3	16	0.5
VALID SKIP	3068	87.5	3084	88.0
NO	396	11.3	3480	99.3
YES	25	0.7	3505	100.0

FLEXIBLE SIGMOIDOSCOPY EQUIPMENT RENTED

EQU45E3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.2	7	0.2
MISSING	9	0.3	16	0.5
VALID SKIP	3068	87.5	3084	88.0
NO	415	11.8	3499	99.8
YES	6	0.2	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MAINTENANCE COST FOR ENDOSCOPY EQUIPMENT

EQU50D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	7	0.2	7	0.2
DONT KNOW	36	1.0	43	1.2
MISSING	6	0.2	49	1.4
VALID SKIP	3379	96.4	3428	97.8
NO MAINT. COST	29	0.8	3457	98.6
VALID VALUES	48	1.4	3505	100.0

# OF TESTS PERFORMD USING ENDOSCOPY EQP

EQU51D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	24	0.7	24	0.7
MISSING	4	0.1	28	0.8
OUT OF RANGE	2	0.1	30	0.9
REFUSAL	1	0.0	31	0.9
VALID SKIP	3379	96.4	3410	97.3
NONE	11	0.3	3421	97.6
VALID VALUES	84	2.4	3505	100.0

PHYSICIAN TIME INVOLVED IN ENDOSCOPY

EQU52DR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	8	0.2	8	0.2
DONT KNOW	18	0.5	26	0.7
MISSING	4	0.1	30	0.9
REFUSAL	1	0.0	31	0.9
VALID SKIP	3379	96.4	3410	97.3
0	4	0.1	3414	97.4
1	1	0.0	3415	97.4
5	2	0.1	3417	97.5
10	3	0.1	3420	97.6
15	7	0.2	3427	97.8
18	1	0.0	3428	97.8
20	10	0.3	3438	98.1
24	1	0.0	3439	98.1
25	2	0.1	3441	98.2
30	29	0.8	3470	99.0
35	1	0.0	3471	99.0
40	5	0.1	3476	99.2
45	9	0.3	3485	99.4
60	16	0.5	3501	99.9
86	1	0.0	3502	99.9
90	2	0.1	3504	100.0
120	1	0.0	3505	100.0

NON-PHYSICIAN TIME ASSISTING ENDOSCOPY

EQU53DR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	8	0.2	8	0.2
DONT KNOW	19	0.5	27	0.8
MISSING	4	0.1	31	0.9
REFUSAL	1	0.0	32	0.9
VALID SKIP	3379	96.4	3411	97.3
0	7	0.2	3418	97.5
5	2	0.1	3420	97.6
6	1	0.0	3421	97.6
10	3	0.1	3424	97.7
12	1	0.0	3425	97.7
15	7	0.2	3432	97.9
20	6	0.2	3438	98.1
25	1	0.0	3439	98.1
30	15	0.4	3454	98.5
40	7	0.2	3461	98.7
43	1	0.0	3462	98.8
45	7	0.2	3469	99.0



\*\*\* UNWEIGHTED \*\*\*

R ENDOSCOPY EQUIPMENT PURCHASED

EQU45D1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	3	0.1	6	0.2
VALID SKIP	3379	96.4	3385	96.6
NO	16	0.5	3401	97.0
YES	104	3.0	3505	100.0

UPPER GI ENOOSCOPY EQUIPMENT LEASED

EQU4502	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	3	0.1	6	0.2
VALID SKIP	3379	96.4	3385	96.6
NO	106	3.0	3491	99.6
YES	14	0.4	3505	100.0

UPPER GI ENDOSCOPY EQUIPMENT RENTED

EQU45D3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	3	0.1	6	0.2
VALID SKIP	3379	96.4	3385	96.6
NO	115	3.3	3500	99.9
YES	5	0.1	3505	100.0

TOTAL COST OF ENDOSCOPY EQUIPMENT

EQU470	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	5	0.1	5	0.1
DONT KNOW	39	1.1	44	1.3
MISSING	5	0.1	49	1.4
REFUSAL	2	0.1	51	1.5
VALID SKIP	3379	96.4	3430	97.9
VALID VALUES	75	2.1	3505	100.0

ENOOSCOPY EQUIPMENT COSTS SHARED

EQU480	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5	0.1	5	0.1
MISSING	6	0.2	11	0.3
VALID SKIP	3379	96.4	3390	96.7
NO	109	3.1	3499	99.8
YES	6	0.2	3505	100.0

R SHARE OF ENOOSCOPY EQUIPMENT COSTS

EQU49D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
VALID SKIP	3499	99.8	3500	99.9
3	2	0.1	3502	99.9
25	1	0.0	3503	99.9
50	1	0.0	3504	100.0
99	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

NON-PHYSICIAN TIME ASSISTING ULTRASOUND

EQU53CR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIAGNOSTIC PERFORM	11	0.3	11	0.3
DO NOT KNOW	69	2.0	80	2.3
MISSING	17	0.5	97	2.8
OUT OF RANGE	2	0.1	99	2.8
REFUSAL	4	0.1	103	2.9
VALID SKIP	2893	82.5	2996	85.5
0	78	2.2	3074	87.7
1	2	0.1	3076	87.8
2	3	0.1	3079	87.8
3	2	0.1	3081	87.9
4	2	0.1	3083	88.0
5	15	0.4	3098	88.4
6	3	0.1	3101	88.5
8	3	0.1	3104	88.6
10	40	1.1	3144	89.7
13	1	0.0	3145	89.7
15	68	1.9	3213	91.7
16	1	0.0	3214	91.7
17	1	0.0	3215	91.7
18	3	0.1	3218	91.8
20	54	1.5	3272	93.4
23	2	0.1	3274	93.4
24	1	0.0	3275	93.4
25	11	0.3	3286	93.8
30	103	2.9	3389	96.7
35	6	0.2	3395	96.9
36	2	0.1	3397	96.9
40	10	0.3	3407	97.2
42	1	0.0	3408	97.2
45	37	1.1	3445	98.3
48	1	0.0	3446	98.3
50	1	0.0	3447	98.3
52	1	0.0	3448	98.4
53	1	0.0	3449	98.4
60	42	1.2	3491	99.6
75	1	0.0	3492	99.6
90	5	0.1	3497	99.8
100	1	0.0	3498	99.8
120	5	0.1	3503	99.9
139	1	0.0	3504	100.0
180	1	0.0	3505	100.0

R OWNS/LEASES/RENTS ENDOSCOPY EQUIPMENT

EQU440	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	1	0.0	1	0.0
MAIL QUEST.	3	0.1	4	0.1
MISSING	14	0.4	18	0.5
VALID SKIP	2333	66.6	2351	67.1
NO	1028	29.3	3379	96.4
YES	126	3.6	3505	100.0

R HAS INVESTMENT IN ENDOSCOPY EQUIPMENT

EQU44A0	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	2	0.1	2	0.1
MAIL QUEST.	3	0.1	5	0.1
MISSING	33	0.9	38	1.1
VALID SKIP	2333	66.6	2371	67.6
NO	1122	32.0	3493	99.7
YES	12	0.3	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MAINTENANCE COST FOR ULTRASOUND EQUIPMNT

EQU50C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	30	0.9	30	0.9
DONT KNOW	116	3.3	146	4.2
MISSING	28	0.8	174	5.0
REFUSAL	4	0.1	178	5.1
VALID SKIP	2892	82.5	3070	87.6
NO MAINT. COST	154	4.4	3224	92.0
VALID VALUES	281	8.0	3505	100.0

# TESTS PERFORMD USING ULTRASOUND EQUIP.

EQU51C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	61	1.7	61	1.7
MISSING	15	0.4	76	2.2
OUT OF RANGE	5	0.1	81	2.3
REFUSAL	4	0.1	85	2.4
VALID SKIP	2893	82.5	2978	85.0
NONE	27	0.8	3005	85.7
VALID VALUES	500	14.3	3505	100.0

PHYSICIAN TIME INVOLVED IN ULTRASOUND

EQU52CR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	11	0.3	11	0.3
DONT KNOW	64	1.8	75	2.1
MISSING	17	0.5	92	2.6
OUT OF RANGE	4	0.1	96	2.7
REFUSAL	4	0.1	100	2.9
VALID SKIP	2893	82.5	2993	85.4
0	22	0.6	3015	86.0
1	5	0.1	3020	86.2
2	8	0.2	3028	86.4
3	3	0.1	3031	86.5
4	3	0.1	3034	86.6
5	35	1.0	3069	87.6
6	1	0.0	3070	87.6
7	1	0.0	3071	87.6
8	5	0.1	3076	87.8
9	2	0.1	3078	87.8
10	75	2.1	3153	90.0
12	1	0.0	3154	90.0
13	1	0.0	3155	90.0
15	75	2.1	3230	92.2
16	1	0.0	3231	92.2
17	2	0.1	3233	92.2
18	1	0.0	3234	92.3
20	70	2.0	3304	94.3
22	1	0.0	3305	94.3
23	3	0.1	3308	94.4
24	1	0.0	3309	94.4
25	11	0.3	3320	94.7
30	108	3.1	3428	97.8
35	4	0.1	3432	97.9
36	3	0.1	3435	98.0
40	10	0.3	3445	98.3
42	1	0.0	3446	98.3
45	15	0.4	3461	98.7
50	1	0.0	3462	98.8
60	32	0.9	3494	99.7
90	4	0.1	3498	99.8
100	2	0.1	3500	99.9
120	4	0.1	3504	100.0
153	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

R HAS B SCAN ULTRASOUND EQUIPMENT

EQU46B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	62	1.8	62	1.8
MISSING	60	1.7	122	3.5
VALID SKIP	2893	82.5	3015	86.0
NO	375	10.7	3390	96.7
YES	115	3.3	3505	100.0

R HAS M MODE ULTRASOUND EQUIPMENT

EQU46M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	61	1.7	61	1.7
MISSING	60	1.7	121	3.5
VALID SKIP	2893	82.5	3014	86.0
NO	336	9.6	3350	95.6
YES	155	4.4	3505	100.0

R HAS REAL TIME SCAN ULTRASOUND EQUIPMNT

EQU46R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	61	1.7	61	1.7
MISSING	60	1.7	121	3.5
VALID SKIP	2893	82.5	3014	86.0
NO	177	5.0	3191	91.0
YES	314	9.0	3505	100.0

TOTAL COST OF ULTRASOUND EQUIPMENT

EQU47C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	14	0.4	14	0.4
DONT KNOW	116	3.3	130	3.7
MISSING	26	0.7	156	4.5
REFUSAL	7	0.2	163	4.7
VALID SKIP	2893	82.5	3056	87.2
NONE	1	0.0	3057	87.2
VALID VALUES	448	12.8	3505	100.0

ULTRASOUND EQUIPMENT COSTS SHARED

EQU48C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	20	0.6	20	0.6
MISSING	28	0.8	48	1.4
VALID SKIP	2893	82.5	2941	83.9
NO	529	15.1	3470	99.0
YES	35	1.0	3505	100.0

R SHARE OF ULTRASOUND EQUIPMENT COSTS

EQU49C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MISSING	1	0.0	4	0.1
VALID SKIP	3470	99.0	3474	99.1
	3	0.1	3478	99.2
	9	0.0	3479	99.3
	16	0.0	3480	99.3
	20	0.1	3483	99.4
	25	0.1	3486	99.5
	33	0.0	3487	99.5
	38	0.0	3488	99.5
	40	0.1	3490	99.6
	43	0.0	3491	99.6
	50	0.4	3504	100.0
	55	0.0	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

R OWNS/LEASES/RENTS/ULTRASOUND EQUIPMENT

EQU44C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DDNT KNOW	4	0.1	4	0.1
MAIL QUEST.	10	0.3	14	0.4
MISSING	10	0.3	24	0.7
NO	2869	81.9	2893	82.5
YES	612	17.5	3505	100.0

R HAS INVSTMENT IN DIAG ULTRASDUND EQUIP

EQU44AC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNDW	11	0.3	11	0.3
MAIL QUEST.	10	0.3	21	0.6
MISSING	49	1.4	70	2.0
NO	3372	96.2	3442	98.2
YES	63	1.8	3505	100.0

ULTRASOUND EQUIPMENT PURCHASED

EQU45C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	12	0.3	25	0.7
VALID SKIP	2893	82.5	2918	83.3
NO	117	3.3	3035	86.6
YES	470	13.4	3505	100.0

ULTRASOUND EQUIPMENT LEASED

EQU45C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	12	0.3	23	0.7
VALID SKIP	2893	82.5	2916	83.2
ND	467	13.3	3383	96.5
YES	122	3.5	3505	100.0

ULTRASDUND EQUIPMENT RENTED

EQU45C3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DDNT KNDW	11	0.3	11	0.3
MISSING	12	0.3	23	0.7
VALID SKIP	2893	82.5	2916	83.2
NO	580	16.5	3496	99.7
YES	9	0.3	3505	100.0

R HAS A MDDE ULTRASDUND EQUIPMENT

EQU46A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DDNT KNOW	60	1.7	60	1.7
MISSING	60	1.7	120	3.4
VALID SKIP	2893	82.5	3013	86.0
NO	342	9.8	3355	95.7
YES	150	4.3	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN EKG

EQU52BR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
12	8	0.2	3197	91.2
15	145	4.1	3342	95.3
16	1	0.0	3343	95.4
18	3	0.1	3346	95.5
20	52	1.5	3398	96.9
24	1	0.0	3399	97.0
25	12	0.3	3411	97.3
30	51	1.5	3462	98.8
35	3	0.1	3465	98.9
40	5	0.1	3470	99.0
45	7	0.2	3477	99.2
48	1	0.0	3478	99.2
50	4	0.1	3482	99.3
60	19	0.5	3501	99.9
80	1	0.0	3502	99.9
100	1	0.0	3503	99.9
120	2	0.1	3505	100.0

NON-PHYSICIAN TIME SPENT ASSISTING EKG

EQU53BR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	23	0.7	23	0.7
DONT KNOW	85	2.4	108	3.1
MISSING	22	0.6	130	3.7
OUT OF RANGE	3	0.1	133	3.8
REFUSAL	3	0.1	136	3.9
VALID SKIP	2353	67.1	2489	71.0
0	71	2.0	2560	73.0
1	1	0.0	2561	73.1
2	5	0.1	2566	73.2
3	8	0.2	2574	73.4
4	6	0.2	2580	73.6
5	91	2.6	2671	76.2
6	9	0.3	2680	76.5
7	13	0.4	2693	76.8
8	11	0.3	2704	77.1
9	2	0.1	2706	77.2
10	257	7.3	2963	84.5
12	9	0.3	2972	84.8
13	4	0.1	2976	84.9
15	258	7.4	3234	92.3
18	6	0.2	3240	92.4
20	117	3.3	3357	95.8
23	1	0.0	3358	95.8
24	5	0.1	3363	95.9
25	20	0.6	3383	96.5
26	1	0.0	3384	96.5
27	1	0.0	3385	96.6
30	77	2.2	3462	98.8
35	1	0.0	3463	98.8
36	2	0.1	3465	98.9
40	4	0.1	3469	99.0
45	6	0.2	3475	99.1
48	2	0.1	3477	99.2
50	1	0.0	3478	99.2
60	13	0.4	3491	99.6
70	1	0.0	3492	99.6
75	1	0.0	3493	99.7
90	2	0.1	3495	99.7
100	2	0.1	3497	99.8
120	5	0.1	3502	99.9
150	1	0.0	3503	99.9
180	1	0.0	3504	100.0
200	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

ROUTINE EKG EQUIPMENT COSTS SHARED

EQU48B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	25	0.7	25	0.7
MISSING	38	1.1	63	1.8
VALID SKIP	2353	67.1	2416	68.9
NO	1056	30.1	3472	99.1
YES	33	0.9	3505	100.0

R SHARE OF EKG EQUIPMENT COSTS

EQU49B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	7	0.2	7	0.2
VALID SKIP	3472	99.1	3479	99.3
3	3	0.1	3482	99.3
20	1	0.0	3483	99.4
25	4	0.1	3487	99.5
30	1	0.0	3488	99.5
33	4	0.1	3492	99.6
40	1	0.0	3493	99.7
50	12	0.3	3505	100.0

MAINTENANCE COST FOR EKG EQUIPMENT

EQU50B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	25	0.7	25	0.7
DO NOT KNOW	193	5.5	218	6.2
MISSING	43	1.2	261	7.4
REFUSAL	3	0.1	264	7.5
VALID SKIP	2353	67.1	2617	74.7
NO MAINT. COST	433	12.4	3050	87.0
VALID VALUES	455	13.0	3505	100.0

# OF TESTS PERFORMED USING EKG EQUIPMENT

EQU51B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	88	2.5	88	2.5
MISSING	16	0.5	104	3.0
OUT OF RANGE	4	0.1	108	3.1
REFUSAL	3	0.1	111	3.2
VALID SKIP	2353	67.1	2464	70.3
NONE	54	1.5	2518	71.8
VALID VALUES	987	28.2	3505	100.0

PHYSICIAN TIME INVOLVED IN EKG

EQU52BR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT PERFORM	23	0.7	23	0.7
DO NOT KNOW	86	2.5	109	3.1
MISSING	21	0.6	130	3.7
OUT OF RANGE	2	0.1	132	3.8
REFUSAL	3	0.1	135	3.9
VALID SKIP	2353	67.1	2488	71.0
0	54	1.5	2542	72.5
1	26	0.7	2568	73.3
2	35	1.0	2603	74.3
3	38	1.1	2641	75.3
4	11	0.3	2652	75.7
5	283	8.1	2935	83.7
6	21	0.6	2956	84.3
7	8	0.2	2964	84.6
8	14	0.4	2978	85.0
9	3	0.1	2981	85.0
10	207	5.9	3188	91.0
11	1	0.0	3189	91.0

\*\*\* UNWEIGHTED \*\*\*

R OWNS/LEASES/RENTS EKG EQUIPMENT

EQU44B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MAIL QUEST.	10	0.3	12	0.3
MISSING	8	0.2	20	0.6
NO	2333	66.6	2353	67.1
YES	1152	32.9	3505	100.0

R HAS INVESTMENT IN ROUTINE EKG EQPMNT

EQU44AB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9	0.3	9	0.3
MAIL QUEST.	10	0.3	19	0.5
MISSING	45	1.3	64	1.8
NO	3362	95.9	3426	97.7
YES	79	2.3	3505	100.0

EKG EQUIPMENT PURCHASED

EQU45B1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9	0.3	9	0.3
MISSING	15	0.4	24	0.7
VALID SKIP	2353	67.1	2377	67.8
NO	107	3.1	2484	70.9
YES	1021	29.1	3505	100.0

EKG EQUIPMENT LEASED

EQU45B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9	0.3	9	0.3
MISSING	14	0.4	23	0.7
VALID SKIP	2353	67.1	2376	67.8
NO	1039	29.6	3415	97.4
YES	90	2.6	3505	100.0

EKG EQUIPMENT RENTED

EQU45B3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9	0.3	9	0.3
MISSING	14	0.4	23	0.7
VALID SKIP	2353	67.1	2376	67.8
NO	1111	31.7	3487	99.5
YES	18	0.5	3505	100.0

TOTAL COST OF EKG EQUIPMENT

EQU47B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	17	0.5	17	0.5
DONT KNOW	328	9.4	345	9.8
MISSING	40	1.1	385	11.0
REFUSAL	3	0.1	388	11.1
VALID SKIP	2353	67.1	2741	78.2
NONE	1	0.0	2742	78.2
VALID VALUES	763	21.8	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN X-RAY

EQU52AR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
15	116	3.3	3383	96.5
17	2	0.1	3385	96.6
18	2	0.1	3387	96.6
20	44	1.3	3431	97.9
23	2	0.1	3433	97.9
25	7	0.2	3440	98.1
30	33	0.9	3473	99.1
40	2	0.1	3475	99.1
45	2	0.1	3477	99.2
50	2	0.1	3479	99.3
60	17	0.5	3496	99.7
64	1	0.0	3497	99.8
80	1	0.0	3498	99.8
120	6	0.2	3504	100.0
160	1	0.0	3505	100.0

NON-PHYSICIAN TIME SPENT ASSISTING X-RAY

EQU53AR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	13	0.4	13	0.4
DONT KNOW	114	3.3	127	3.6
MISSING	17	0.5	144	4.1
OUT OF RANGE	1	0.0	145	4.1
REFUSAL	4	0.1	149	4.3
VALID SKIP	2642	75.4	2791	79.6
0	44	1.3	2835	80.9
1	2	0.1	2837	80.9
2	3	0.1	2840	81.0
3	8	0.2	2848	81.3
4	4	0.1	2852	81.4
5	44	1.3	2896	82.6
6	5	0.1	2901	82.8
7	5	0.1	2906	82.9
8	8	0.2	2914	83.1
9	3	0.1	2917	83.2
10	146	4.2	3063	87.4
11	2	0.1	3065	87.4
12	14	0.4	3079	87.8
13	3	0.1	3082	87.9
15	167	4.8	3249	92.7
16	1	0.0	3250	92.7
18	3	0.1	3253	92.8
20	105	3.0	3358	95.8
23	3	0.1	3361	95.9
24	3	0.1	3364	96.0
25	12	0.3	3376	96.3
30	69	2.0	3445	98.3
36	2	0.1	3447	98.3
38	1	0.0	3448	98.4
40	9	0.3	3457	98.6
45	13	0.4	3470	99.0
48	1	0.0	3471	99.0
50	1	0.0	3472	99.1
54	1	0.0	3473	99.1
55	1	0.0	3474	99.1
60	24	0.7	3498	99.8
68	1	0.0	3499	99.8
90	2	0.1	3501	99.9
115	1	0.0	3502	99.9
120	1	0.0	3503	99.9
150	1	0.0	3504	100.0
200	1	0.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

R SHARE OF X-RAY EQUIPMENT COSTS

EQU49A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	15	0.4	15	0.4
MISSING	2	0.1	17	0.5
VALID SKIP	3446	98.3	3463	98.8
1	1	0.0	3464	98.8
3	5	0.1	3469	99.0
5	1	0.0	3470	99.0
6	1	0.0	3471	99.0
12	1	0.0	3472	99.1
16	1	0.0	3473	99.1
20	1	0.0	3474	99.1
25	7	0.2	3481	99.3
30	1	0.0	3482	99.3
33	4	0.1	3486	99.5
40	1	0.0	3487	99.5
50	14	0.4	3501	99.9
55	1	0.0	3502	99.9
58	1	0.0	3503	99.9
66	1	0.0	3504	100.0
75	1	0.0	3505	100.0

MAINTENANCE COST FOR X-RAY EQUIPMENT

EQU50A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	13	0.4	13	0.4
DONT KNOW	190	5.4	203	5.8
MISSING	34	1.0	237	6.8
REFUSAL	3	0.1	240	6.8
VALID SKIP	2642	75.4	2882	82.2
NO MAINT. COST	124	3.5	3006	85.8
VALID VALUES	499	14.2	3505	100.0

# OF TESTS PERFORMD USING X-RAY EQPMNT

EQU51A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	82	2.3	82	2.3
MISSING	13	0.4	95	2.7
OUT OF RANGE	1	0.0	96	2.7
REFUSAL	4	0.1	100	2.9
VALID SKIP	2642	75.4	2742	78.2
NONE	34	1.0	2776	79.2
VALID VALUES	729	20.8	3505	100.0

PHYSICIAN TIME INVOLVED IN X-RAY

EQU52AR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	13	0.4	13	0.4
DONT KNOW	104	3.0	117	3.3
MISSING	15	0.4	132	3.8
OUT OF RANGE	1	0.0	133	3.8
REFUSAL	5	0.1	138	3.9
VALID SKIP	2642	75.4	2780	79.3
0	44	1.3	2824	80.6
1	13	0.4	2837	80.9
2	25	0.7	2862	81.7
3	27	0.8	2889	82.4
4	13	0.4	2902	82.8
5	163	4.7	3065	87.4
6	10	0.3	3075	87.7
7	7	0.2	3082	87.9
8	12	0.3	3094	88.3
9	4	0.1	3098	88.4
10	155	4.4	3253	92.8
12	11	0.3	3264	93.1
13	3	0.1	3267	93.2

\*\*\* UNWEIGHTED \*\*\*

R HAS INVESTMENT IN X-RAY EQUIPMENT

EQU44AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.2	7	0.2
MAIL QUEST.	10	0.3	17	0.5
MISSING	45	1.3	62	1.8
NO	3322	94.8	3384	96.5
YES	121	3.5	3505	100.0

X-RAY EQUIPMENT PURCHASED

EQU45A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	9	0.3	20	0.6
VALID SKIP	2642	75.4	2662	75.9
NO	97	2.8	2759	78.7
YES	746	21.3	3505	100.0

X-RAY EQUIPMENT LEASED

EQU45A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	9	0.3	20	0.6
VALID SKIP	2642	75.4	2662	75.9
NO	741	21.1	3403	97.1
YES	102	2.9	3505	100.0

X-RAY EQUIPMENT RENTED

EQU45A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	9	0.3	20	0.6
VALID SKIP	2642	75.4	2662	75.9
NO	814	23.2	3476	99.2
YES	29	0.8	3505	100.0

TOTAL COST OF X-RAY EQUIPMENT

EQU47A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	7	0.2	7	0.2
DONT KNOW	249	7.1	256	7.3
MISSING	31	0.9	287	8.2
REFUSAL	5	0.1	292	8.3
VALID SKIP	2642	75.4	2934	83.7
NONE	2	0.1	2936	83.8
VALID VALUES	569	16.2	3505	100.0

X-RAY EQUIPMENT COSTS SHARED

EQU48A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	22	0.6	22	0.6
MISSING	28	0.8	50	1.4
REFUSAL	1	0.0	51	1.5
VALID SKIP	2642	75.4	2693	76.8
NO	753	21.5	3446	98.3
YES	59	1.7	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MAINTENANCE COSTS FOR MRI EQUIPMENT

EQU50M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	8	0.2	9	0.3
MISSING	2	0.1	11	0.3
VALID SKIP	3487	99.5	3498	99.8
VALID VALUES	7	0.2	3505	100.0

# TESTS WITH MRI EQUIPMENT

EQU51M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	1	0.0	3	0.1
VALID SKIP	3487	99.5	3490	99.6
NONE	1	0.0	3491	99.6
VALID VALUES	14	0.4	3505	100.0

PHYSICIAN TIME INVOLVED IN MAG RES IMAGE

EQU52MR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MISSING	1	0.0	5	0.1
VALID SKIP	3487	99.5	3492	99.6
10	1	0.0	3493	99.7
15	1	0.0	3494	99.7
20	3	0.1	3497	99.8
30	5	0.1	3502	99.9
35	1	0.0	3503	99.9
45	1	0.0	3504	100.0
60	1	0.0	3505	100.0

NON-PHYSICIAN TIME: MAGNETIC RES IMAGERY

EQU53MR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MISSING	1	0.0	5	0.1
VALID SKIP	3487	99.5	3492	99.6
30	1	0.0	3493	99.7
32	1	0.0	3494	99.7
40	2	0.1	3496	99.7
45	2	0.1	3498	99.8
60	2	0.1	3500	99.9
90	2	0.1	3502	99.9
120	1	0.0	3503	99.9
180	1	0.0	3504	100.0
240	1	0.0	3505	100.0

R OWNS/LEASES/RENTS NUCLEAR SCAN EQUIP

EQU44N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	7	0.2	8	0.2
VALID SKIP	3321	94.8	3329	95.0
NO	165	4.7	3494	99.7
YES	11	0.3	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

R HAS INVESTMENT IN NUCLEAR SCAN EQUIP

EQU44AN	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	10	0.3	11	0.3
REFUSAL	1	0.0	12	0.3
VALID SKIP	3321	94.8	3333	95.1
NO	171	4.9	3504	100.0
YES	1	0.0	3505	100.0

NUCLEAR SCAN EQUIPMENT PURCHASED

EQU45N1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	2	0.1	2	0.1
VALID SKIP	3494	99.7	3496	99.7
NO	2	0.1	3498	99.8
YES	7	0.2	3505	100.0

NUCLEAR SCAN EQUIPMENT LEASED

EQU45N2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	2	0.1	3	0.1
VALID SKIP	3494	99.7	3497	99.8
NO	6	0.2	3503	99.9
YES	2	0.1	3505	100.0

NUCLEAR SCAN EQUIPMENT RENTED

EQU45N3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	2	0.1	3	0.1
VALID SKIP	3494	99.7	3497	99.8
NO	8	0.2	3505	100.0

TOTAL COST OF NUCLEAR SCAN EQUIPMENT

EQU47N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5	0.1	5	0.1
MISSING	2	0.1	7	0.2
VALID SKIP	3494	99.7	3501	99.9
VALID VALUES	4	0.1	3505	100.0

NUCLEAR SCAN EQUIPMENT COSTS SHARED

EQU48N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	2	0.1	2	0.1
VALID SKIP	3494	99.7	3496	99.7
NO	9	0.3	3505	100.0

R SHARE NUCLEAR SCAN EQUIPMENT COSTS

EQU49N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	3505	100.0	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MAINTENANCE COST FOR NUCLEAR SCAN EQUIP

EQU50N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	3	0.1	4	0.1
MISSING	2	0.1	6	0.2
VALID SKIP	3494	99.7	3500	99.9
NO MAINT. COST	3	0.1	3503	99.9
VALID VALUES	2	0.1	3505	100.0

# TESTS DONE USING NUCLEAR SCAN EQUIPMNT

EQU51N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1	0.0	1	0.0
MISSING	2	0.1	3	0.1
VALID SKIP	3494	99.7	3497	99.8
NONE	1	0.0	3498	99.8
VALID VALUES	7	0.2	3505	100.0

PHYSICIAN TIME INVOLVED IN NUCLEAR SCAN

EQU52NR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT PERFORM	1	0.0	1	0.0
DONT KNOW	1	0.0	2	0.1
MISSING	2	0.1	4	0.1
VALID SKIP	3494	99.7	3498	99.8
5	3	0.1	3501	99.9
10	3	0.1	3504	100.0
30	1	0.0	3505	100.0

NON-PHYSN TIME ASSISTING NUCLEAR SCAN

EQU53NR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT PERFORM	1	0.0	1	0.0
DONT KNOW	1	0.0	2	0.1
MISSING	2	0.1	4	0.1
VALID SKIP	3494	99.7	3498	99.8
60	4	0.1	3502	99.9
75	1	0.0	3503	99.9
120	2	0.1	3505	100.0

R OWNS/LEASES/RENTS CLINICAL CHEM EQUIP

LAB54A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MAIL QUEST.	10	0.3	13	0.4
MISSING	11	0.3	24	0.7
NO	2784	79.4	2808	80.1
YES	697	19.9	3505	100.0

R HAS INVESTMENT IN CLINICAL CHEM EQUIP

LAB54AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MAIL QUEST.	10	0.3	16	0.5
MISSING	60	1.7	76	2.2
REFUSAL	1	0.0	77	2.2
NO	3373	96.2	3450	98.4
YES	55	1.6	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

CLINICAL CHEMISTRY EQUIPMENT PURCHASED

LAB55A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	5	0.1	13	0.4
REFUSAL	2	0.1	15	0.4
VALID SKIP	2808	80.1	2823	80.5
NO	106	3.0	2929	83.6
YES	576	16.4	3505	100.0

CLINICAL CHEMISTRY EQUIPMENT LEASED

LAB55A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9	0.3	9	0.3
MISSING	5	0.1	14	0.4
REFUSAL	2	0.1	16	0.5
VALID SKIP	2808	80.1	2824	80.6
NO	555	15.8	3379	96.4
YES	126	3.6	3505	100.0

CLINICAL CHEMISTRY EQUIPMENT RENTED

LAB55A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	5	0.1	13	0.4
REFUSAL	2	0.1	15	0.4
VALID SKIP	2808	80.1	2823	80.5
NO	671	19.1	3494	99.7
YES	11	0.3	3505	100.0

TOTAL COST OF CLINICAL CHEM. EQUIPMENT

LAB56A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	17	0.5	17	0.5
DONT KNOW	162	4.6	179	5.1
MISSING	27	0.8	206	5.9
REFUSAL	8	0.2	214	6.1
UNCODEABLE	1	0.0	215	6.1
VALID SKIP	2808	80.1	3023	86.2
NONE	8	0.2	3031	86.5
VALID VALUES	474	13.5	3505	100.0

CLINICAL CHEMISTRY EQUIPMENT COSTS SHARED

LAB57A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	20	0.6	20	0.6
MISSING	32	0.9	52	1.5
REFUSAL	3	0.1	55	1.6
VALID SKIP	2808	80.1	2863	81.7
NO	602	17.2	3465	98.9
YES	40	1.1	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

R SHARE OF CLINICAL CHEM. EQUIP COSTS

LAB58A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	3	0.1	11	0.3
VALID SKIP	3465	98.9	3476	99.2
4	1	0.0	3477	99.2
10	2	0.1	3479	99.3
25	7	0.2	3486	99.5
33	4	0.1	3490	99.6
35	1	0.0	3491	99.6
40	1	0.0	3492	99.6
50	11	0.3	3503	99.9
60	1	0.0	3504	100.0
70	1	0.0	3505	100.0

CLINICAL CHEM EQUIP MAINTENANCE COSTS

LAB59A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	19	0.5	19	0.5
DONT KNOW	130	3.7	149	4.3
MISSING	41	1.2	190	5.4
OUT OF RANGE	1	0.0	191	5.4
REFUSAL	5	0.1	196	5.6
UNCODEABLE	1	0.0	197	5.6
VALID SKIP	2808	80.1	3005	85.7
NO MAINT. COST	189	5.4	3194	91.1
VALID VALUES	311	8.9	3505	100.0

# OF CLINICAL CHEMISTRY TESTS PERFORMED

LAB60A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	86	2.5	87	2.5
MISSING	26	0.7	113	3.2
OUT OF RANGE	1	0.0	114	3.3
REFUSAL	2	0.1	116	3.3
VALID SKIP	2807	80.1	2923	83.4
NONE	22	0.6	2945	84.0
VALID VALUES	560	16.0	3505	100.0

BLOOD URIC ACID TESTS PERFORMED

LAB61A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	17	0.5	17	0.5
MISSING	19	0.5	36	1.0
REFUSAL	1	0.0	37	1.1
VALID SKIP	2808	80.1	2845	81.2
NO	222	6.3	3067	87.5
YES	438	12.5	3505	100.0

BLOOD UREA TESTS PERFORMED

LAB61A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	17	0.5	17	0.5
MISSING	22	0.6	39	1.1
REFUSAL	1	0.0	40	1.1
VALID SKIP	2808	80.1	2848	81.3
NO	242	6.9	3090	88.2
YES	415	11.8	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

SERUM CHOLESTEROL TESTS PERFORMED

LAB61A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	15	0.4	28	0.8
REFUSAL	1	0.0	29	0.8
VALID SKIP	2808	80.1	2837	80.9
NO	153	4.4	2990	85.3
YES	515	14.7	3505	100.0

GLUCOSE TESTS PERFORMED

LAB61A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	14	0.4	27	0.8
REFUSAL	1	0.0	28	0.8
VALID SKIP	2808	80.1	2836	80.9
NO	44	1.3	2880	82.2
YES	625	17.8	3505	100.0

PRACTICE PERFORMS MULTICHANNEL TESTS

LAB62A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	12	0.3	23	0.7
REFUSAL	1	0.0	24	0.7
VALID SKIP	2808	80.1	2832	80.8
NO	408	11.6	3240	92.4
YES	265	7.6	3505	100.0

# DIFFERENT MULTICHANNEL TESTS PERFORMED

LAB62AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	28	0.8	28	0.8
MISSING	7	0.2	35	1.0
OUT OF RANGE	10	0.3	45	1.3
VALID SKIP	3240	92.4	3285	93.7
1	2	0.1	3287	93.8
2	2	0.1	3289	93.8
3	7	0.2	3296	94.0
4	3	0.1	3299	94.1
5	6	0.2	3305	94.3
6	7	0.2	3312	94.5
7	2	0.1	3314	94.6
8	4	0.1	3318	94.7
9	1	0.0	3319	94.7
10	12	0.3	3331	95.0
11	2	0.1	3333	95.1
12	28	0.8	3361	95.9
13	3	0.1	3364	96.0
14	12	0.3	3376	96.3
15	13	0.4	3389	96.7
16	11	0.3	3400	97.0
17	2	0.1	3402	97.1
18	6	0.2	3408	97.2
19	4	0.1	3412	97.3
20	33	0.9	3445	98.3
21	5	0.1	3450	98.4
22	8	0.2	3458	98.7
23	4	0.1	3462	98.8
24	6	0.2	3468	98.9
25	3	0.1	3471	99.0
26	2	0.1	3473	99.1
27	2	0.1	3475	99.1
28	2	0.1	3477	99.2

\*\*\* UNWEIGHTED \*\*\*

# DIFFERENT MULTICHANNEL TESTS PERFORMED

LAB62AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT	
	30	15	0.4	3492	99.6
	32	1	0.0	3493	99.7
	35	1	0.0	3494	99.7
	42	2	0.1	3496	99.7
	55	1	0.0	3497	99.8
	60	1	0.0	3498	99.8
	68	1	0.0	3499	99.8
	75	2	0.1	3501	99.9
	100	2	0.1	3503	99.9
	120	1	0.0	3504	100.0
	150	1	0.0	3505	100.0

MULTICHANNEL TESTS PERFORMED DISCRETELY

LAB62AB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	10	0.3	10	0.3
MISSING	2	0.1	12	0.3
VALID SKIP	3240	92.4	3252	92.8
DISCRETELY	176	5.0	3428	97.8
COMBINATIONS	77	2.2	3505	100.0

R OWNS/LEASES/RENTS HEMATOLOGY EQUIPMENT

LAB54B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MAIL QUEST.	10	0.3	14	0.4
MISSING	13	0.4	27	0.8
NO	2716	77.5	2743	78.3
YES	762	21.7	3505	100.0

R HAS INVESTMENT IN HEMATOLOGY EQUIPMNT

LAB54AB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MAIL QUEST.	10	0.3	16	0.5
MISSING	67	1.9	83	2.4
NO	3366	96.0	3449	98.4
YES	56	1.6	3505	100.0

HEMATOLOGY EQUIPMENT PURCHASED

LAB55B1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	17	0.5	28	0.8
REFUSAL	2	0.1	30	0.9
VALID SKIP	2743	78.3	2773	79.1
NO	88	2.5	2861	81.6
YES	644	18.4	3505	100.0

HEMATOLOGY EQUIPMENT LEASED

LAB55B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	11	0.3	11	0.3
MISSING	19	0.5	30	0.9
REFUSAL	2	0.1	32	0.9
VALID SKIP	2743	78.3	2775	79.2
NO	631	18.0	3406	97.2
YES	99	2.8	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

HEMATOLOGY EQUIPMENT RENTED

LAB55B3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	12	0.3	12	0.3
MISSING	18	0.5	30	0.9
REFUSAL	2	0.1	32	0.9
VALID SKIP	2743	78.3	2775	79.2
NO	721	20.6	3496	99.7
YES	9	0.3	3505	100.0

TOTAL COST OF HEMATOLOGY EQUIPMENT

LAB56B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	45	1.3	45	1.3
DONT KNOW	195	5.6	240	6.8
MISSING	35	1.0	275	7.8
REFUSAL	7	0.2	282	8.0
UNCODEABLE	2	0.1	284	8.1
VALID SKIP	2743	78.3	3027	86.4
NONE	19	0.5	3046	86.9
VALID VALUES	459	13.1	3505	100.0

HEMATOLOGY EQUIPMENT COSTS SHARED

LAB57B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	26	0.7	26	0.7
MISSING	51	1.5	77	2.2
REFUSAL	2	0.1	79	2.3
VALID SKIP	2743	78.3	2822	80.5
NO	644	18.4	3466	98.9
YES	39	1.1	3505	100.0

R SHARE OF HEMATOLOGY EQUIPMENT COST

LAB58B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	2	0.1	8	0.2
VALID SKIP	3466	98.9	3474	99.1
4	1	0.0	3475	99.1
10	1	0.0	3476	99.2
25	7	0.2	3483	99.4
33	6	0.2	3489	99.5
35	1	0.0	3490	99.6
40	1	0.0	3491	99.6
45	1	0.0	3492	99.6
50	12	0.3	3504	100.0
94	1	0.0	3505	100.0

HEMATOLOGY EQUIPMENT MAINTENANCE COSTS

LAB59B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	34	1.0	34	1.0
DONT KNOW	134	3.8	168	4.8
MISSING	53	1.5	221	6.3
OUT OF RANGE	1	0.0	222	6.3
REFUSAL	4	0.1	226	6.4
UNCODEABLE	3	0.1	229	6.5
VALID SKIP	2743	78.3	2972	84.8
NO MAINT. COST	249	7.1	3221	91.9
VALID VALUES	284	8.1	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

# OF HEMATOLOGY TEST PERFORMED

LA8608	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	91	2.6	91	2.6
MISSING	37	1.1	128	3.7
REFUSAL	2	0.1	130	3.7
UNCODEABLE	1	0.0	131	3.7
VALID SKIP	2742	78.2	2873	82.0
NONE	33	0.9	2906	82.9
VALID VALUES	599	17.1	3505	100.0

HEMATOCRIT TESTS PERFORMED

LAB6181	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	14	0.4	14	0.4
MISSING	18	0.5	32	0.9
REFUSAL	1	0.0	33	0.9
VALID SKIP	2743	78.3	2776	79.2
NO	98	2.8	2874	82.0
YES	631	18.0	3505	100.0

HEMOGLOBIN TESTS PERFORMED

LA861B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	16	0.5	29	0.8
REFUSAL	1	0.0	30	0.9
VALID SKIP	2743	78.3	2773	79.1
NO	129	3.7	2902	82.8
YES	603	17.2	3505	100.0

PROTHROMBIN TIME TESTS PERFORMED

LAB61B3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	16	0.5	16	0.5
MISSING	22	0.6	38	1.1
REFUSAL	1	0.0	39	1.1
VALID SKIP	2743	78.3	2782	79.4
NO	442	12.6	3224	92.0
YES	281	8.0	3505	100.0

COMPLETE BLOOD COUNTS PERFORMED

LA861B4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	20	0.6	33	0.9
REFUSAL	1	0.0	34	1.0
VALID SKIP	2743	78.3	2777	79.2
NO	224	6.4	3001	85.6
YES	504	14.4	3505	100.0

SEDIMENTATION TESTS PERFORMED

LAB61B5	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	20	0.6	33	0.9
REFUSAL	1	0.0	34	1.0
VALID SKIP	2743	78.3	2777	79.2
NO	352	10.0	3129	89.3
YES	376	10.7	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

PRACTICE PERFORMS MULTICHANNEL TESTS

LAB62B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	20	0.6	20	0.6
MISSING	26	0.7	46	1.3
REFUSAL	1	0.0	47	1.3
VALID SKIP	2743	78.3	2790	79.6
NO	492	14.0	3282	93.6
YES	223	6.4	3505	100.0

# DIFFERENT MULTICHANNEL TESTS PERFORMED

LAB62BA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	42	1.2	42	1.2
MISSING	15	0.4	57	1.6
OUT OF RANGE	4	0.1	61	1.7
VALID SKIP	3282	93.6	3343	95.4
1	2	0.1	3345	95.4
2	4	0.1	3349	95.5
3	10	0.3	3359	95.8
4	13	0.4	3372	96.2
5	15	0.4	3387	96.6
6	16	0.5	3403	97.1
7	13	0.4	3416	97.5
8	18	0.5	3434	98.0
9	3	0.1	3437	98.1
10	15	0.4	3452	98.5
11	2	0.1	3454	98.5
12	8	0.2	3462	98.8
13	4	0.1	3466	98.9
14	6	0.2	3472	99.1
15	8	0.2	3480	99.3
16	3	0.1	3483	99.4
18	3	0.1	3486	99.5
20	9	0.3	3495	99.7
21	1	0.0	3496	99.7
24	2	0.1	3498	99.8
25	3	0.1	3501	99.9
26	1	0.0	3502	99.9
30	3	0.1	3505	100.0

MULTICHANNEL TESTS PERFORMED DISCRETELY

LAB62BB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	17	0.5	17	0.5
MISSING	1	0.0	18	0.5
VALID SKIP	3282	93.6	3300	94.2
DISCRETELY	115	3.3	3415	97.4
COMBINATIONS	90	2.6	3505	100.0

R OWNS/LEASES/RENTS/MICROBIOLOGY EQUIP

LAB54C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3	0.1	3	0.1
MAIL QUEST.	10	0.3	13	0.4
MISSING	15	0.4	28	0.8
NO	3024	86.3	3052	87.1
YES	453	12.9	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

R HAS INVESTMENT IN MICROBIOLOGY EQUIP

LAB54AC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MAIL QUEST.	10	0.3	16	0.5
MISSING	73	2.1	89	2.5
NO	3379	96.4	3468	98.9
YES	37	1.1	3505	100.0

MICROBIOLOGY EQUIPMENT PURCHASED

LAB55C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	12	0.3	18	0.5
REFUSAL	1	0.0	19	0.5
VALID SKIP	3052	87.1	3071	87.6
NO	31	0.9	3102	88.5
YES	403	11.5	3505	100.0

MICROBIOLOGY EQUIPMENT LEASED

LAB55C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	12	0.3	18	0.5
REFUSAL	1	0.0	19	0.5
VALID SKIP	3052	87.1	3071	87.6
NO	400	11.4	3471	99.0
YES	34	1.0	3505	100.0

MICROBIOLOGY EQUIPMENT RENTED

LAB55C3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6	0.2	6	0.2
MISSING	12	0.3	18	0.5
REFUSAL	1	0.0	19	0.5
VALID SKIP	3052	87.1	3071	87.6
NO	429	12.2	3500	99.9
YES	5	0.1	3505	100.0

TOTAL COST OF MICROBIOLOGY EQUIPMENT

LAB56C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	29	0.8	29	0.8
DONT KNOW	133	3.8	162	4.6
MISSING	30	0.9	192	5.5
OUT OF RANGE	1	0.0	193	5.5
REFUSAL	7	0.2	200	5.7
UNCODEABLE	1	0.0	201	5.7
VALID SKIP	3052	87.1	3253	92.8
NONE	12	0.3	3265	93.2
VALID VALUES	240	6.8	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

MICROBIOLOGY EQUIPMENT COSTS SHARED

LAB57C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	16	0.5	16	0.5
MISSING	33	0.9	49	1.4
REFUSAL	1	0.0	50	1.4
VALIO SKIP	3052	87.1	3102	88.5
NO	382	10.9	3484	99.4
YES	21	0.6	3505	100.0

R SHARE OF MICROBIOLOGY EQUIP COSTS

LAB58C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2	0.1	2	0.1
MISSING	2	0.1	4	0.1
VALIO SKIP	3484	99.4	3488	99.5
25	7	0.2	3495	99.7
33	4	0.1	3499	99.8
40	1	0.0	3500	99.9
50	4	0.1	3504	100.0
70	1	0.0	3505	100.0

MICROBIOLOGY EQUIPMENT MAINTENANCE COSTS

LAB59C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	25	0.7	25	0.7
DONT KNOW	86	2.5	111	3.2
MISSING	31	0.9	142	4.1
OUT OF RANGE	1	0.0	143	4.1
REFUSAL	3	0.1	146	4.2
VALID SKIP	3052	87.1	3198	91.2
NO MAINT. COST	172	4.9	3370	96.1
VALID VALUES	135	3.9	3505	100.0

# OF MICROBIOLOGY TESTS PERFORMED

LAB60C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1	0.0	1	0.0
DONT KNOW	63	1.8	64	1.8
MISSING	24	0.7	88	2.5
REFUSAL	2	0.1	90	2.6
VALIO SKIP	3051	87.0	3141	89.6
NONE	21	0.6	3162	90.2
VALID VALUES	343	9.8	3505	100.0

R OWNS/LEASES/RENTS HISTOLOGY EQUIPMENT

LAB540	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MAIL QUEST.	10	0.3	14	0.4
MISSING	17	0.5	31	0.9
NO	3388	96.7	3419	97.5
YES	86	2.5	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

R HAS INVESTMENT IN HISTOLOGY EQUIPMENT

LAB54AD	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.2	7	0.2
MAIL QUEST.	10	0.3	17	0.5
MISSING	77	2.2	94	2.7
NO	3391	96.7	3485	99.4
YES	20	0.6	3505	100.0

HISTOLOGY EQUIPMENT PURCHASED

LAB55D1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MISSING	7	0.2	11	0.3
VALID SKIP	3419	97.5	3430	97.9
NO	5	0.1	3435	98.0
YES	70	2.0	3505	100.0

HISTOLOGY EQUIPMENT LEASED

LAB5502	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MISSING	7	0.2	11	0.3
VALID SKIP	3419	97.5	3430	97.9
NO	65	1.9	3495	99.7
YES	10	0.3	3505	100.0

HISTOLOGY EQUIPMENT RENTED

LAB5503	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4	0.1	4	0.1
MISSING	7	0.2	11	0.3
VALID SKIP	3419	97.5	3430	97.9
NO	74	2.1	3504	100.0
YES	1	0.0	3505	100.0

TOTAL COST OF HISTOLOGY EQUIPMENT

LAB560	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	4	0.1	4	0.1
DONT KNOW	37	1.1	41	1.2
MISSING	10	0.3	51	1.5
REFUSAL	1	0.0	52	1.5
VALID SKIP	3419	97.5	3471	99.0
NONE	2	0.1	3473	99.1
VALID VALUES	32	0.9	3505	100.0

HISTOLOGY EQUIPMENT COSTS SHARED

LAB570	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8	0.2	8	0.2
MISSING	10	0.3	18	0.5
VALID SKIP	3419	97.5	3437	98.1
NO	66	1.9	3503	99.9
YES	2	0.1	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

R SHARE OF HISTOLOGY EQUIPMENT COSTS

LAB58D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	1	0.0	1	0.0
VALID SKIP	3503	99.9	3504	100.0
33	1	0.0	3505	100.0

HISTOLOGY EQUIPMENT MAINTENANCE COSTS

LAB59D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	5	0.1	5	0.1
DONT KNOW	31	0.9	36	1.0
MISSING	12	0.3	48	1.4
REFUSAL	1	0.0	49	1.4
VALID SKIP	3419	97.5	3468	98.9
NO MAINT. COST	18	0.5	3486	99.5
VALID VALUES	19	0.5	3505	100.0

# OF HISTOLOGY TESTS PERFORMED

LAB60D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	31	0.9	31	0.9
MISSING	10	0.3	41	1.2
REFUSAL	1	0.0	42	1.2
VALID SKIP	3418	97.5	3460	98.7
NONE	4	0.1	3464	98.8
VALID VALUES	41	1.2	3505	100.0

PCT OF GROSS REV FROM LAB TEST IN OFC

LAB63	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	141	4.0	141	4.0
MISSING	47	1.3	188	5.4
REFUSAL	2	0.1	190	5.4
VALID SKIP	2496	71.2	2686	76.6
0	66	1.9	2752	78.5
1	125	3.6	2877	82.1
2	60	1.7	2937	83.8
3	36	1.0	2973	84.8
4	11	0.3	2984	85.1
5	128	3.7	3112	88.8
6	8	0.2	3120	89.0
7	11	0.3	3131	89.3
8	23	0.7	3154	90.0
9	8	0.2	3162	90.2
10	106	3.0	3268	93.2
11	4	0.1	3272	93.4
12	10	0.3	3282	93.6
13	8	0.2	3290	93.9
14	1	0.0	3291	93.9
15	50	1.4	3341	95.3
16	1	0.0	3342	95.3
17	4	0.1	3346	95.5
18	5	0.1	3351	95.6
19	3	0.1	3354	95.7
20	45	1.3	3399	97.0
22	1	0.0	3400	97.0
23	1	0.0	3401	97.0
25	37	1.1	3438	98.1
28	1	0.0	3439	98.1
30	25	0.7	3464	98.8
31	1	0.0	3465	98.9
33	4	0.1	3469	99.0
35	6	0.2	3475	99.1

\*\*\* UNWEIGHTED \*\*\*

PCT OF GROSS REV FROM LAB TEST IN OFC

LA863	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
40	12	0.3	3487	99.5
45	2	0.1	3489	99.5
50	7	0.2	3496	99.7
55	1	0.0	3497	99.8
60	4	0.1	3501	99.9
63	1	0.0	3502	99.9
70	1	0.0	3503	99.9
80	1	0.0	3504	100.0
87	1	0.0	3505	100.0

R LAB PARTICIPATE IN EXTERNAL TESTING

LA864	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	32	0.9	32	0.9
MISSING	39	1.1	71	2.0
REFUSAL	1	0.0	72	2.1
VALID SKIP	2496	71.2	2568	73.3
NO	558	15.9	3126	89.2
YES	379	10.8	3505	100.0

LAB PARTICIPATES IN CAP PROGRAM

LA865A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	18	0.5	18	0.5
MISSING	4	0.1	22	0.6
VALID SKIP	3126	89.2	3148	89.8
NO	153	4.4	3301	94.2
YES	204	5.8	3505	100.0

LAB PARTICIPATES IN OTHER PROGRAM

LAB658	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	31	0.9	31	0.9
MISSING	11	0.3	42	1.2
VALID SKIP	3126	89.2	3168	90.4
NO	208	5.9	3376	96.3
OTHER	22	0.6	3398	96.9
ST/CNTY PROGRAM	38	1.1	3436	98.0
SPECLTY SOCIETY	45	1.3	3481	99.3
MANUFACTURERS	24	0.7	3505	100.0

R LAB CERTIFIED BY MEDICARE TITLE 18

LA866A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	54	1.5	54	1.5
MISSING	74	2.1	128	3.7
REFUSAL	1	0.0	129	3.7
VALID SKIP	2496	71.2	2625	74.9
NO	693	19.8	3318	94.7
YES	187	5.3	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

R LAB CERTIFIED BY A STATE AGENCY

LAB66B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	54	1.5	54	1.5
MISSING	74	2.1	128	3.7
REFUSAL	1	0.0	129	3.7
VALID SKIP	2496	71.2	2625	74.9
NO	690	19.7	3315	94.6
YES	190	5.4	3505	100.0

R LAB CERTIFIED BY OTHR AGENCY/PROGRAM

LAB66C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	62	1.8	62	1.8
MISSING	78	2.2	140	4.0
REFUSAL	1	0.0	141	4.0
VALID SKIP	2496	71.2	2637	75.2
NO	836	23.9	3473	99.1
YES(OTH UNCOD)	18	0.5	3491	99.6
C.A.P.	11	0.3	3502	99.9
C.O.L.A.	3	0.1	3505	100.0

R LABORATORY NOT CERTIFIED

LAB66D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	52	1.5	52	1.5
MISSING	74	2.1	126	3.6
REFUSAL	1	0.0	127	3.6
VALID SKIP	2496	71.2	2623	74.8
NO	318	9.1	2941	83.9
YES	564	16.1	3505	100.0

TECHNICIAN USUALLY PERFORMS LAB TESTS

LAB67A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	12	0.3	12	0.3
MISSING	42	1.2	54	1.5
REFUSAL	1	0.0	55	1.6
VALID SKIP	2496	71.2	2551	72.8
NO	386	11.0	2937	83.8
YES	568	16.2	3505	100.0

NURSE USUALLY PERFORMS LAB TESTS

LAB67B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	42	1.2	55	1.6
REFUSAL	1	0.0	56	1.6
VALID SKIP	2496	71.2	2552	72.8
NO	650	18.5	3202	91.4
YES	303	8.6	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

PHYSICIAN USUALLY PERFORMS LAB TESTS

LAB67C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	13	0.4	13	0.4
MISSING	42	1.2	55	1.6
REFUSAL	1	0.0	56	1.6
VALID SKIP	2496	71.2	2552	72.8
NO	705	20.1	3257	92.9
YES	248	7.1	3505	100.0

SOMEONE ELSE USUALLY PERFORMS LAB TESTS

LAB67E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	12	0.3	12	0.3
MISSING	44	1.3	56	1.6
REFUSAL	1	0.0	57	1.6
VALID SKIP	2496	71.2	2553	72.8
NO	895	25.5	3448	98.4
OTHER(INCL WIFE)	7	0.2	3455	98.6
MED. AIDE, ASST.	43	1.2	3498	99.8
SCRTRY,OFF. MNGR	7	0.2	3505	100.0

STAFF MEMBERS CERTIFIED BY ASCP

LAB68	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	33	0.9	33	0.9
MISSING	41	1.2	74	2.1
REFUSAL	1	0.0	75	2.1
VALID SKIP	2496	71.2	2571	73.4
NO	693	19.8	3264	93.1
YES	241	6.9	3505	100.0

WHO COMPLETED COST SECTION

INT69	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	23	0.7	23	0.7
MISSING	123	3.5	146	4.2
REFUSAL	2	0.1	148	4.2
UNCODEABLE	1	0.0	149	4.3
PHYSICIAN	1683	48.0	1832	52.3
BOOKKEEPER	114	3.3	1946	55.5
OFFICE MANAGER	800	22.8	2746	78.3
ACCOUNTANT	119	3.4	2865	81.7
RECEPTIONIST	28	0.8	2893	82.5
BILLING OFFICE	19	0.5	2912	83.1
PHYS. EMPLOYEE	419	12.0	3331	95.0
OTHER	174	5.0	3505	100.0

USE OF COST INFORMATION WORKSHEET

INT69A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	38	1.1	38	1.1
MISSING	140	4.0	178	5.1
REFUSAL	3	0.1	181	5.2
YES	915	26.1	1096	31.3
NO	1990	56.8	3086	88.0
PHYS. EMPLOYEE	419	12.0	3505	100.0



\*\*\* UNWEIGHTED \*\*\*

INFO AT GROUP OR INDIVIDUAL LEVEL

INT69B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GROUP	2962	84.5	2962	84.5
INDIVIDUAL	124	3.5	3086	88.0
PHYS. EMPLOYEE	419	12.0	3505	100.0

AGE OF RESPONDENT (1988 - BIRTH YEAR)

AGE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	3505	100.0	3505	100.0

RECODED AGE

AGE_R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
< 35	386	11.0	386	11.0
35-39	696	19.9	1082	30.9
40-49	1168	33.3	2250	64.2
50-59	771	22.0	3021	86.2
60-64	274	7.8	3295	94.0
65 +	210	6.0	3505	100.0

RESPONDENT'S SEX

SEX	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MALE	3248	92.7	3248	92.7
FEMALE	257	7.3	3505	100.0

FOREIGN OR DOMESTIC SCHOOL GRADUATE

FMG	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DOMESTIC GRAD	2756	78.6	2756	78.6
FOREIGN GRAD	749	21.4	3505	100.0

FIRST BOARD CERTIFICATION

BOARD1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO RECOGNITION	863	24.6	863	24.6
ALLERGY/IMMUN	2	0.1	865	24.7
ANESTHESIOLOGY	114	3.3	979	27.9
COLON/RECTAL SRG	3	0.1	982	28.0
DERMATOLOGY	32	0.9	1014	28.9
EMERGENCY MED	21	0.6	1035	29.5
FAMILY PRACTICE	272	7.8	1307	37.3
INTERNAL MED	592	16.9	1899	54.2
NEURO SURGERY	19	0.5	1918	54.7
NUCLEAR MEDICINE	7	0.2	1925	54.9
OB/GYN	207	5.9	2132	60.8
OPHTHALMOLOGY	138	3.9	2270	64.8
ORTHOPEDIC SURG	124	3.5	2394	68.3
OTOLARYNGOLOGY	82	2.3	2476	70.6
PATHOLOGY	45	1.3	2521	71.9
PEDIATRICS	119	3.4	2640	75.3
PHYS MED/REHAB	5	0.1	2645	75.5
PLASTIC SURG	23	0.7	2668	76.1
PSYCH/NEURO	158	4.5	2826	80.6
RADIOLOGY	164	4.7	2990	85.3
SURGERY	357	10.2	3347	95.5
THORACIC SURG	2	0.1	3349	95.5
UROLOGY	156	4.5	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

SECOND BOARD CERTIFICATION

BOARD2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO RECOGNITION	3278	93.5	3278	93.5
ALLERGY/IMMUN	10	0.3	3288	93.8
ANESTHESIOLOGY	5	0.1	3293	94.0
COLON/RECTAL SRG	1	0.0	3294	94.0
DERMATOLOGY	3	0.1	3297	94.1
EMERGENCY MED	10	0.3	3307	94.4
FAMILY PRACTICE	2	0.1	3309	94.4
INTERNAL MED	5	0.1	3314	94.6
NUCLEAR MEDICINE	13	0.4	3327	94.9
OB/GYN	2	0.1	3329	95.0
OPHTHALMOLOGY	5	0.1	3334	95.1
OTOLARYNGOLOGY	1	0.0	3335	95.1
PATHOLOGY	2	0.1	3337	95.2
PEDIATRICS	5	0.1	3342	95.3
PHYS MED/REHAB	1	0.0	3343	95.4
PLASTIC SURG	9	0.3	3352	95.6
PREVENTIVE MED	1	0.0	3353	95.7
PSYCH/NEURO	8	0.2	3361	95.9
RADIOLOGY	4	0.1	3365	96.0
SURGERY	3	0.1	3368	96.1
THORACIC SURG	136	3.9	3504	100.0
UROLOGY	1	0.0	3505	100.0

FINANCIAL INFORMATION PROVIDED BY PROXY

PROXY	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	1813	51.7	1813	51.7
YES	1692	48.3	3505	100.0

DATE INTERVIEW BEGAN

INTSTART	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	168	4.8	168	4.8
VALID VALUES	3337	95.2	3505	100.0

DATE INTERVIEW COMPLETED

INTDATE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	149	4.3	149	4.3
VALID VALUES	3356	95.7	3505	100.0

PHYSICIAN A SOLO PRACTITIONER

SOLO	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	8	0.2	8	0.2
NOT SOLO	1831	52.2	1839	52.5
SOLO	1666	47.5	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

PERSONAL NET INCOME AS CATEGORICAL VAR

INC29R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUES	294	8.4	294	8.4
< \$30K	61	1.7	355	10.1
\$30K - < \$40K	48	1.4	403	11.5
\$40K - < \$50K	73	2.1	476	13.6
\$50K - < \$60K	79	2.3	555	15.8
\$60K - < \$70K	138	3.9	693	19.8
\$70K - < \$80K	182	5.2	875	25.0
\$80K - < \$90K	203	5.8	1078	30.8
\$90K - < \$100K	195	5.6	1273	36.3
\$100K - < \$120K	366	10.4	1639	46.8
\$120K - < \$140K	375	10.7	2014	57.5
\$140K - < \$160K	332	9.5	2346	66.9
\$160K - < \$200K	378	10.8	2724	77.7
\$160K - < \$250K	304	8.7	3028	86.4
\$250K - < \$300K	177	5.0	3205	91.4
\$300K - < \$350K	105	3.0	3310	94.4
\$350K - < \$400K	49	1.4	3359	95.8
\$400K - < \$450K	48	1.4	3407	97.2
\$450K - < \$500K	31	0.9	3438	98.1
\$500K +	67	1.9	3505	100.0

LIMIT PER CASE ON MAL POLICIES-CONT VAR

MAL35R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	100	2.9	100	2.9
MISSING	5	0.1	105	3.0
OUT OF RANGE	1	0.0	106	3.0
REFUSAL	8	0.2	114	3.3
UNCODEABLE	8	0.2	122	3.5
VALID SKIP	32	0.9	154	4.4
VALID VALUES	3351	95.6	3505	100.0

TOTAL LIMIT ALL MAL POLICIES-CONTINUOUS

MAL36R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	116	3.3	116	3.3
MISSING	5	0.1	121	3.5
OUT OF RANGE	2	0.1	123	3.5
REFUSAL	9	0.3	132	3.8
UNCODEABLE	10	0.3	142	4.1
VALID SKIP	32	0.9	174	5.0
VALID VALUES	3331	95.0	3505	100.0

PHYSICIAN HAS ANY MEDICARE PATIENTS

MEDICARE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	3	0.1	3	0.1
NO MEDICARE PTS	233	6.6	236	6.7
HAS MEDICARE PTS	3269	93.3	3505	100.0

PHYSICIAN HAS ANY MEDICAID PATIENTS

MEDICAID	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	3	0.1	3	0.1
NO MEDICAID PTS	537	15.3	540	15.4
HAS MEDICAID PTS	2965	84.6	3505	100.0

\*\*\* UNWEIGHTED \*\*\*

DATA CAPTURE METHOD

MODE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
CADE	1779	50.8	1779	50.8
CATI	1726	49.2	3505	100.0

MEMBER OF MULTISPECIALTY GROUP

MULTSPEC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	2	0.1	2	0.1
NOT MULTI-SPEC	3001	85.6	3003	85.7
MULTI-SPEC	502	14.3	3505	100.0

PHYSICIANS WHO OWN/LEASE/RENT EQUIPMENT

EQPMT	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	17	0.5	17	0.5
HAS NO EQUIPMENT	1647	47.0	1664	47.5
HAS EQUIPMENT	1841	52.5	3505	100.0

OWN, LEASE, OR RENT LABORATORY EQUIPMENT

LAB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	28	0.8	28	0.8
HAS NO LAB EQPMT	2466	70.4	2494	71.2
HAS LAB EQUIPMNT	1011	28.8	3505	100.0

OUTSIDE INVESTMENTS IN EQUIPMENT

EQINVMT	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	83	2.4	83	2.4
HAS NO INVESTS	3200	91.3	3283	93.7
HAS INVESTMENTS	222	6.3	3505	100.0

OUTSIDE INVESTMENTS IN LAB EQUIPMENT

LABINVMT	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING VALUE	104	3.0	104	3.0
HAS NO INVESTS	3321	94.8	3425	97.7
HAS INVESTMENTS	80	2.3	3505	100.0





APPENDIX III-D  
*WEIGHTED FREQUENCIES*



\*\*\* WEIGHTED \*\*\*

ID NUMBER OF RESPONDENT

ID	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	217970	100.0	217970	100.0

WEIGHTING VARIABLE

WTVAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	217970	100.0	217970	100.0

THREE SAMPLE VARIABLES

CELL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID VALUES	217970	100.0	217970	100.0

DOCTOR'S UNCOLLAPSED SPECIALTY

SPECIAL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GENL PRACTICE	10514.2	4.8	10514.2	4.8
FAMILY PRACTICE	21961.5	10.1	32475.8	14.9
INTERNAL MED	25578	11.7	58053.8	26.6
CV DISEASE	7606.84	3.5	65660.6	30.1
GASTROENTEROLGY	3857.45	1.8	69518.1	31.9
ALLERGY	679.77	0.3	70197.8	32.2
ALLRGY & IMMUN	806.168	0.4	71004	32.6
DERMATOLOGY	4199.57	1.9	75203.6	34.5
DIABETES	304.449	0.1	75508	34.6
ENDOCRINOLOGY	467.734	0.2	75975.7	34.9
GERIATRICS	50.7266	0.0	76026.5	34.9
HEMATOLOGY	639.598	0.3	76666.1	35.2
INFECTIOUS DIS	875.785	0.4	77541.9	35.6
NEPHROLOGY	1439	0.7	78980.9	36.2
NEO-PERINATAL	1063.29	0.5	80044.2	36.7
ONCOLOGY	2296.11	1.1	82340.3	37.8
PEDIATRICS	12674.6	5.8	95014.9	43.6
PEDIATRC ALLRGY	238.086	0.1	95253	43.7
PEDIATRIC CARD	127.762	0.1	95380.7	43.8
PEDS HEMAT-ONC	83.8008	0.0	95464.5	43.8
PULMONARY DIS	2609.14	1.2	98073.7	45.0
RHEUMATOLOGY	761.313	0.3	98835	45.3
ABDOMINAL SURG	117.703	0.1	98952.7	45.4
GENERAL SURGERY	12457.3	5.7	111410	51.1
PEDIATRIC SURG	83.9063	0.0	111494	51.2
HAND SURGERY	547.34	0.3	112041	51.4
ORTHOPEDIC SRG	10199.1	4.7	122240	56.1
OPHTHALMOLOGY	9306.82	4.3	131547	60.4
UROLOGICAL SRG	5348.59	2.5	136896	62.8
GYNECOLOGY	1485.83	0.7	138382	63.5
OB/GYN	15526.8	7.1	153908	70.6
OBSTETRICS	74.2539	0.0	153983	70.6
GYN ONCOLOGY	110.402	0.1	154093	70.7
CV SURGERY	1691.5	0.8	155784	71.5
THORACIC SURG	869.333	0.4	156654	71.9
COLON/RECT SRG	326.105	0.1	156980	72.0
FACIAL PLASTIC	60.2461	0.0	157040	72.0
HEAD/NECK SURG	189.457	0.1	157230	72.1
NEUROLOGIC SRG	1468.09	0.7	158698	72.8
OTORHINOLARYNG	5322.43	2.4	164020	75.2
PLASTIC SURG	2796.83	1.3	166817	76.5
VASCULAR SURG	618.364	0.3	167435	76.8
CHILD PSYCH	1421.15	0.7	168856	77.5
PSYCHIATRY	9545.39	4.4	178402	81.8
PSYCHOANALYSIS	699.363	0.3	179101	82.2
ANESTHESIOLOGY	11815.7	5.4	190917	87.6
DIAG RADIOLOGY	6555.41	3.0	197472	90.6
NUCLEAR MED	436.613	0.2	197909	90.8
NUCLEAR RAD	103.18	0.0	198012	90.8



\*\*\* WEIGHTED \*\*\*

DOCTOR'S UNCOLLAPSED SPECIALTY

SPECIAL	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
RAOIOLOGY	3949.88	1.8	201962	92.7
CHILD NEUROLGY	177.371	0.1	202139	92.7
EMERGENCY MED	5868.44	2.7	208008	95.4
NEUROLOGY	2920.2	1.3	210928	96.8
OCCUP MEDICINE	323.621	0.1	211252	96.9
OTHER SPECIALTY	469.055	0.2	211721	97.1
PHYS MED/REHAB	766.156	0.4	212487	97.5
UNSPECIFIED	395.074	0.2	212882	97.7
CLIN PATHOLOGY	319.148	0.1	213201	97.8
PATHOLOGY	3427.35	1.6	216628	99.4
ANATOMIC PATH	34.1641	0.0	216663	99.4
CRITICAL CARE	73.4414	0.0	216736	99.4
RAOIATION ONC	1133.78	0.5	217870	100.0
PEOIIATRIC RAO	99.8945	0.0	217970	100.0

DOCTOR'S COLLAPSED SPECIALTY

SELFSPEC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GENL/FAMILY PRAC	32475.8	14.9	32475.8	14.9
INTERNAL MED	25578	11.7	58053.8	26.6
CARDIOLOGY	7606.84	3.5	65660.6	30.1
GASTROENTEROLOGY	3857.45	1.8	69518.1	31.9
OTHER MEDICAL	29316.9	13.5	98835	45.3
GENERAL SURGERY	12658.9	5.8	111494	51.2
ORTHOPEDIC SURG	10746.4	4.9	122240	56.1
OPHTHALMOLOGY	9306.82	4.3	131547	60.4
UROLOGY	5348.59	2.5	136896	62.8
OB/GYN	17197.3	7.9	154093	70.7
THORACIC SURGERY	2560.83	1.2	156654	71.9
OTHER SURGERY	10781.5	4.9	167435	76.8
PSYCHIATRY	11665.9	5.4	179101	82.2
ANESTHESIOLOGY	11815.7	5.4	190917	87.6
RAOIOLOGY	12278.8	5.6	203196	93.2
OTHER SPEC	14774	6.8	217970	100.0

FOUR ANALYTIC SPECIALTY CATEGORIES

SPEC4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
GENL/FAMILY PRAC	32475.8	14.9	32475.8	14.9
MEDICAL SPEC	66359.2	30.4	98835	45.3
SURGICAL SPEC	68600.3	31.5	167435	76.8
OTHER SPEC	50534.4	23.2	217970	100.0

UPDATED CENSUS DIVISION

DIVISION	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NEW ENGLAND	12587.1	5.8	12587.1	5.8
MID ATLANTIC	37280.8	17.1	49867.9	22.9
E.N. CENTRAL	32930.1	15.1	82798	38.0
W.N. CENTRAL	13209.7	6.1	96007.7	44.0
SOUTH ATLANTIC	39758.9	18.2	135767	62.3
E.S. CENTRAL	12133.7	5.6	147900	67.9
W.S. CENTRAL	21132.5	9.7	169033	77.5
MOUNTAIN	11036.4	5.1	180069	82.6
PACIFIC	37900.5	17.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

REGION OF THE COUNTRY (4 CENSUS REGIONS)

REGION	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NORTHEAST	49698.9	22.8	49698.9	22.8
MIDWEST	46072.1	21.1	95770.9	43.9
SOUTH	73166.9	33.6	168938	77.5
WEST	49031.8	22.5	217970	100.0

THREE LEVELS OF URBANICITY

SMSASIZ	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NON SMSA	31687.8	14.5	31687.8	14.5
SMALL SMSA	110302	50.6	141990	65.1
LARGE SMSA	75979.6	34.9	217970	100.0

URBAN, RURAL DICHOTOMY

SMSA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NON SMSA	31687.8	14.5	31687.8	14.5
SMSA	186282	85.5	217970	100.0

R FULL/PART-OWNER OF MAIN PRACTICE IN 88

SCR5A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	28532.9	13.1	28532.9	13.1
YES	189437	86.9	217970	100.0

EMPLOYED BY A PHYSICIAN/GROUP PHYSICIANS

SCR5B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	188874	86.7	188874	86.7
YES	29095.8	13.3	217970	100.0

EMPLOYED BY FACULTY PRACTICE PLAN IN 88

SCR5C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	217386	99.7	217386	99.7
YES	584.097	0.3	217970	100.0

EMPLOYED BY A HOSPITAL IN 88

SCR5D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	217120	99.6	217120	99.6
YES	849.227	0.4	217970	100.0

EMPLOYED BY A CLINIC OR HMO IN 88

SCR5E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	216803	99.5	216803	99.5
YES	1166.64	0.5	217970	100.0

\*\*\* WEIGHTED \*\*\*

EMPLOYED BY A FEDERAL GOVERNMENT AGENCY

SCR5F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	217490	99.8	217490	99.8
YES	479.742	0.2	217970	100.0

EMPLOYED BY OTHER (SPECIFY) IN 88

SCR5G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
NO	217213	99.7	217213	99.7
YES	756.594	0.3	217970	100.0

LEGAL STATUS OF MEDICAL PRACTICE IN 1988

SCR7C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.797	0.1	111.797	0.1
UNINC SOLO PROP	66695.6	30.6	66807.4	30.6
PARTNERSHIP	20860.9	9.6	87668.3	40.2
CORPORATION	127790	58.6	215458	98.8
OTHER	1248.98	0.6	216707	99.4
PROF. ASSOC.	1262.83	0.6	217970	100.0

R'S MAIN PRACTICE MULTI-SPECIALTY GROUP

SCR7D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	282.91	0.1	282.91	0.1
MISSING	3808.1	1.7	4091.01	1.9
VALID SKIP	66695.6	30.6	70786.6	32.5
NO	119543	54.8	190330	87.3
YES	27639.9	12.7	217970	100.0

# OF WEEKS R DID NOT PRACTICE IN 1988

PRD8	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	455.102	0.2	455.102	0.2
MAIL QUEST.	752.812	0.3	1207.91	0.6
REFUSAL	66.4414	0.0	1274.35	0.6
0	8895.51	4.1	10169.9	4.7
1	9121.84	4.2	19291.7	8.9
2	35910.9	16.5	55202.6	25.3
3	42789.7	19.6	97992.4	45.0
4	51195.5	23.5	149188	68.4
5	19412	8.9	168600	77.4
6	25455.3	11.7	194055	89.0
7	5337.35	2.4	199393	91.5
8	9428.31	4.3	208821	95.8
9	1416.86	0.7	210238	96.5
10	2872.78	1.3	213110	97.8
11	270.66	0.1	213381	97.9
12	2161.18	1.0	215542	98.9
13	239.016	0.1	215781	99.0
14	200.352	0.1	215982	99.1
15	408.402	0.2	216390	99.3
16	405.531	0.2	216796	99.5
20	155.527	0.1	216951	99.5
24	135.887	0.1	217087	99.6
26	396.219	0.2	217483	99.8
27	61.6914	0.0	217545	99.8
30	102.742	0.0	217648	99.9
31	84.6641	0.0	217732	99.9
33	131.055	0.1	217863	100.0
36	106.289	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

HRS WORKED DURING RECENT WK OF PRACTICE

PRD9A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	199.063	0.1	199.063	0.1
OUT OF RANGE	103.691	0.0	302.754	0.1
VALID VALUES	217667	99.9	217970	100.0

TOTAL HRS SPENT ON ADMINISTRATIVE DUTIES

PR09B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	415.797	0.2	415.797	0.2
NONE	28703.7	13.2	29119.5	13.4
VALID VALUES	188850	86.6	217970	100.0

R'S WEEK AVERAGE IN TERMS OF WORKING HRS

PRD9D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	10.0952	0.0	10.0952	0.0
MAIL QUEST.	752.812	0.3	762.907	0.4
MISSING	83.313	0.0	846.22	0.4
AVERAGE	174140	79.9	174987	80.3
MORE	25503.6	11.7	200490	92.0
LESS	17479.5	8.0	217970	100.0

HRS SPENT WITH PATIENTS IN THE OFFICE

PRD10A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	172.137	0.1	172.137	0.1
DONT KNOW	420.426	0.2	592.563	0.3
MISSING	118.621	0.1	711.184	0.3
REFUSAL	71.8867	0.0	783.07	0.4
UNCODEABLE	116.551	0.1	899.621	0.4
VALID SKIP	27875.1	12.8	28774.8	13.2
NONE	7379	3.4	36153.7	16.6
VALID VALUES	181816	83.4	217970	100.0

HRS SPENT TREATING PATIENT IN HOSPITAL

PRD10B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	121.687	0.1	121.687	0.1
DONT KNOW	742.004	0.3	863.691	0.4
MISSING	448.992	0.2	1312.68	0.6
REFUSAL	71.8867	0.0	1384.57	0.6
VALID SKIP	27875.1	12.8	29259.7	13.4
NONE	76340.4	35.0	105600	48.4
VALID VALUES	112370	51.6	217970	100.0

HRS SPENT ON OPERATIONS/SURGICAL ASSISTS

PR010C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	421.109	0.2	421.109	0.2
DONT KNOW	830.636	0.4	1251.75	0.6
MISSING	295.578	0.1	1547.32	0.7
REFUSAL	71.8867	0.0	1619.21	0.7
UNCODEABLE	74.2539	0.0	1693.46	0.8
VALID SKIP	27875.1	12.8	29568.6	13.6
NONE	104220	47.8	133789	61.4
VALID VALUES	84181.1	38.6	217970	100.0



\*\*\* WEIGHTED \*\*\*

HRS SPENT ON REGULAR HOSPITAL ROUNOS

PRO100	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	1356.9	0.6	1356.9	0.6
DONT KNOW	884.132	0.4	2241.04	1.0
MISSING	492.746	0.2	2733.78	1.3
REFUSAL	71.8867	0.0	2805.67	1.3
VALIO SKIP	27875.1	12.8	30680.8	14.1
NONE	54611.7	25.1	85292.5	39.1
VALIO VALUES	132677	60.9	217970	100.0

HRS SPENT ON OTHER MEDICAL ACTIVITIES

PRD10E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	199.52	0.1	199.52	0.1
OONT KNOW	957.148	0.4	1156.67	0.5
MISSING	755.852	0.3	1912.52	0.9
REFUSAL	71.8867	0.0	1984.41	0.9
VALIO SKIP	27875.1	12.8	29859.5	13.7
NONE	129399	59.4	159259	73.1
VALID VALUES	58710.9	26.9	217970	100.0

# OF PATIENTS SEEN IN R'S OFFICE LAST WK

PRD11A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1142.08	0.5	1142.08	0.5
MISSING	420.132	0.2	1562.22	0.7
REFUSAL	175.324	0.1	1737.54	0.8
VALIO SKIP	28774.8	13.2	30512.3	14.0
NONE	7379	3.4	37891.3	17.4
VALIO VALUES	180078	82.6	217970	100.0

# OF PATIENTS SEEN IN HOSPITAL LAST WK

PRD11B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	496.238	0.2	496.238	0.2
OONT KNOW	1423.19	0.7	1919.43	0.9
MISSING	737.871	0.3	2657.3	1.2
OUT OF RANGE	92.582	0.0	2749.88	1.3
UNCOOEABLE	159.161	0.1	2909.04	1.3
VALIO SKIP	29259.7	13.4	32168.7	14.8
NONE	77037.6	35.3	109206	50.1
VALIO VALUES	108763	49.9	217970	100.0

# OF OPERATIONS ANO ASSISTS LAST WK

PRO11C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	92.0352	0.0	92.0352	0.0
OONT KNOW	544.932	0.3	636.967	0.3
MISSING	428.3	0.2	1065.27	0.5
VALIO SKIP	29495.2	13.5	30560.4	14.0
NONE	106123	48.7	136683	62.7
VALIO VALUES	81286.5	37.3	217970	100.0

\*\*\* WEIGHTED \*\*\*

# OF OPERATIONS ON AN OUTPATIENT BASIS

PRO11C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	967.876	0.4	967.876	0.4
MAIL QUEST.	752.812	0.3	1720.69	0.8
MISSING	1339.49	0.6	3060.18	1.4
UNCODEABLE	318.094	0.1	3378.27	1.5
VALIO SKIP	29495.2	13.5	32873.4	15.1
0	126981	58.3	159854	73.3
1	8975.47	4.1	168830	77.5
2	9679.97	4.4	178510	81.9
3	7337.93	3.4	185848	85.3
4	6239.96	2.9	192088	88.1
5	4911.3	2.3	196999	90.4
6	4400.44	2.0	201400	92.4
7	2418.2	1.1	203818	93.5
8	3710.77	1.7	207529	95.2
9	1589.08	0.7	209118	95.9
10	3158.47	1.4	212276	97.4
11	170.448	0.1	212447	97.5
12	1154.94	0.5	213601	98.0
13	411.17	0.2	214013	98.2
14	408.723	0.2	214421	98.4
15	1318.31	0.6	215740	99.0
16	248.988	0.1	215989	99.1
17	85.8945	0.0	216075	99.1
18	252.385	0.1	216327	99.2
19	27.5977	0.0	216355	99.3
20	661.592	0.3	217016	99.6
21	147.543	0.1	217164	99.6
22	57.4375	0.0	217221	99.7
23	17.5586	0.0	217239	99.7
24	54.9297	0.0	217294	99.7
25	202.929	0.1	217497	99.8
30	26.7969	0.0	217523	99.8
32	24.2852	0.0	217548	99.8
40	86.7942	0.0	217634	99.8
49	92.0352	0.0	217726	99.9
50	73.4063	0.0	217800	99.9
82	23.3984	0.0	217823	99.9
100	59.9727	0.0	217883	100.0
283	86.4922	0.0	217970	100.0

PERFORM OPs IN FREESTANDING SURG FACIL

PRO11C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	508.845	0.2	508.845	0.2
MAIL QUEST.	752.812	0.3	1261.66	0.6
MISSING	1468.66	0.7	2730.32	1.3
VALID SKIP	156476	71.8	159207	73.0
NO	44224.1	20.3	203431	93.3
YES	14539	6.7	217970	100.0

# OF INPATIENTS SEEN ON HOSPITAL ROUNOS

PRO110	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	61.9805	0.0	61.9805	0.0
OONT KNOW	2061.75	0.9	2123.73	1.0
MISSING	698.91	0.3	2822.64	1.3
UNCOOEABLE	66.9727	0.0	2889.61	1.3
VALIO SKIP	30680.8	14.1	33570.4	15.4
NONE	54611.7	25.1	88182.1	40.5
VALIO VALUES	129788	59.5	217970	100.0

\*\*\* WEIGHTED \*\*\*

# PHYSICIANS WORKING AT LEAST 20 HRS/WK

SIZ12A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
REFUSAL	103.27	0.0	103.27	0.0
VALID VALUES	217866	100.0	217970	100.0

# PHYSICIANS NOT PARTNERS OR SHAREHOLDERS

SIZ12B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	372.848	0.2	372.848	0.2
MISSING	70.6592	0.0	443.507	0.2
REFUSAL	158.688	0.1	602.194	0.3
NONE	158509	72.7	159111	73.0
VALID VALUES	58858.3	27.0	217970	100.0

# PART-TIME PHYSICIANS W/ < 20 HRS/WEEK

SIZ12C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	280.449	0.1	280.449	0.1
MISSING	154.164	0.1	434.613	0.2
REFUSAL	103.27	0.0	537.883	0.2
NONE	201580	92.5	202118	92.7
VALID VALUES	15851.7	7.3	217970	100.0

# PART-TIME PHYSICIAN EMPLOYEES

SIZ12D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	106.566	0.0	106.566	0.0
MISSING	274.547	0.1	381.113	0.2
UNCODEABLE	52.7344	0.0	433.848	0.2
VALID SKIP	537.883	0.2	971.73	0.4
NONE	206339	94.7	207311	95.1
VALID VALUES	10659.1	4.9	217970	100.0

TOTAL PHYSICIANS IN Rs SPECIALTY

SIZ13	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	625.379	0.3	625.379	0.3
MAIL QUEST.	752.812	0.3	1378.19	0.6
MISSING	3235.47	1.5	4613.66	2.1
REFUSAL	103.27	0.0	4716.93	2.2
VALID SKIP	101719	46.7	106436	48.8
VALID VALUES	111534	51.2	217970	100.0

TOTAL # OF NON-PHYSICIAN EMPLOYEES

SIZ14	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	408.713	0.2	408.713	0.2
MAIL QUEST.	752.812	0.3	1161.52	0.5
MISSING	229.422	0.1	1390.95	0.6
OUT OF RANGE	62.9087	0.0	1453.86	0.7
REFUSAL	103.27	0.0	1557.13	0.7
UNCODEABLE	77.3438	0.0	1634.47	0.7
NONE	21926.6	10.1	23561	10.8
VALID VALUES	194409	89.2	217970	100.0

\*\*\* WEIGHTED \*\*\*

# OF SOCIAL WORKER R'S PRACTICE EMPLOYEO

SIZ15A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MAIL QUEST.	107.836	0.0	107.836	0.0
MISSING	61.9805	0.0	169.816	0.1
VALIO SKIP	206160	94.6	206330	94.7
NONE	9892.3	4.5	216222	99.2
VALIO VALUES	1747.52	0.8	217970	100.0

# OF SOCIAL WORKERS WHO WORK 20 HRS A WK

SIZ15A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALIO SKIP	216222	99.2	216222	99.2
NONE	227.195	0.1	216449	99.3
VALIO VALUES	1520.33	0.7	217970	100.0

# OF CRNAs R'S PRACTICE EMPLOYEO IN 88

SIZ1581	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALIO SKIP	206298	94.6	206298	94.6
NONE	7727.05	3.5	214025	98.2
VALIO VALUES	3944.92	1.8	217970	100.0

# OF CRNAs WHO WORK 20 HRS A WK

SIZ15B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	49.1641	0.0	49.1641	0.0
VALIO SKIP	214025	98.2	214074	98.2
NONE	77.4766	0.0	214151	98.2
VALIO VALUES	3818.28	1.8	217970	100.0

\*\*\* WEIGHTED \*\*\*

# OF RNs R'S PRACTICE EMPLOYEO IN 88

SIZ15C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1903.93	0.9	1903.93	0.9
MAIL QUEST.	752.812	0.3	2656.74	1.2
MISSING	638.816	0.3	3295.56	1.5
REFUSAL	198.113	0.1	3493.67	1.6
UNCOOEABLE	77.9492	0.0	3571.62	1.6
VALIO SKIP	21926.6	10.1	25498.2	11.7
NONE	112714	51.7	138212	63.4
VALIO VALUES	79757.6	36.6	217970	100.0

# OF RNs WHO WORK 20 HRS A WK

SIZ15C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	372.719	0.2	372.719	0.2
MISSING	382.255	0.2	754.974	0.3
VALID SKIP	138212	63.4	138967	63.8
NONE	3834.75	1.8	142802	65.5
VALIO VALUES	75167.9	34.5	217970	100.0



\*\*\* WEIGHTED \*\*\*

# OF LPNs R'S PRACTICE EMPLOYED IN 88

SIZ1501	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	77.3438	0.0	77.3438	0.0
DONT KNOW	1984.42	0.9	2061.76	0.9
MAIL QUEST.	752.812	0.3	2814.58	1.3
MISSING	638.816	0.3	3453.39	1.6
OUT OF RANGE	48.1445	0.0	3501.54	1.6
REFUSAL	198.113	0.1	3699.65	1.7
UNCODEABLE	77.9492	0.0	3777.6	1.7
VALID SKIP	21926.6	10.1	25704.2	11.8
NONE	137393	63.0	163098	74.8
VALID VALUES	54872.1	25.2	217970	100.0

# OF LPNs WHO WORK 20 HRS A WK

SIZ1502	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	77.3438	0.0	77.3438	0.0
DONT KNOW	114.461	0.1	191.805	0.1
MISSING	285.016	0.1	476.82	0.2
VALID SKIP	163020	74.8	163497	75.0
NONE	1944.9	0.9	165442	75.9
VALID VALUES	52527.7	24.1	217970	100.0

# OF MEDICAL AIDES R'S PRACTICE EMPLOYED

SIZ15E1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2003.58	0.9	2003.58	0.9
MAIL QUEST.	752.812	0.3	2756.4	1.3
MISSING	638.816	0.3	3395.21	1.6
OUT OF RANGE	125.844	0.1	3521.06	1.6
REFUSAL	198.113	0.1	3719.17	1.7
UNCODEABLE	136.129	0.1	3855.3	1.8
VALID SKIP	21926.6	10.1	25781.8	11.8
NONE	97216.7	44.6	122999	56.4
VALID VALUES	94971.1	43.6	217970	100.0

# OF MEDICAL AIDES WHO WORK 20 HRS A WK

SIZ15E2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	215.609	0.1	215.609	0.1
MISSING	883.926	0.4	1099.54	0.5
OUT OF RANGE	64.2461	0.0	1163.78	0.5
VALID SKIP	122999	56.4	124162	57.0
NONE	4737.01	2.2	128899	59.1
VALID VALUES	89070.3	40.9	217970	100.0

# OF PAs/NPs Rs PRACTICE EMPLOYED

SIZ15F1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	77.3438	0.0	77.3438	0.0
DONT KNOW	1984.42	0.9	2061.76	0.9
MAIL QUEST.	752.812	0.3	2814.58	1.3
MISSING	638.816	0.3	3453.39	1.6
REFUSAL	198.113	0.1	3651.51	1.7
UNCODEABLE	77.9492	0.0	3729.45	1.7
VALID SKIP	21926.6	10.1	25656	11.8
NONE	164685	75.6	190341	87.3
VALID VALUES	27628.7	12.7	217970	100.0

\*\*\* WEIGHTED \*\*\*

# OF PAs/NPs WHO WORK 20 HRS/WEEK

SIZ15F2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	77.3438	0.0	77.3438	0.0
DONT KNOW	138.461	0.1	215.805	0.1
MISSING	383.633	0.2	599.438	0.3
VALID SKIP	190264	87.3	190863	87.6
NONE	1818.87	0.8	192682	88.4
VALID VALUES	25287.8	11.6	217970	100.0

# OF OTHER PT CARE EMPs IN Rs PRACTICE

SIZ15G1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2085.16	1.0	2085.16	1.0
MAIL QUEST.	752.812	0.3	2837.97	1.3
MISSING	657.488	0.3	3495.46	1.6
REFUSAL	198.113	0.1	3693.57	1.7
UNCODEABLE	58.7852	0.0	3752.36	1.7
VALID SKIP	21926.6	10.1	25678.9	11.8
NONE	173109	79.4	198788	91.2
VALID VALUES	19182.1	8.8	217970	100.0

# OF OTH PT CARE EMPs WHO WORK 20 HRS/WK

SIZ15G2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	196.516	0.1	196.516	0.1
MISSING	298.855	0.1	495.371	0.2
VALID SKIP	198788	91.2	199283	91.4
NONE	1490.89	0.7	200774	92.1
VALID VALUES	17195.9	7.9	217970	100.0

# OF CLERICAL STAFF R'S PRACTICE EMPLOYD

SIZ15H1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2258.03	1.0	2258.03	1.0
MAIL QUEST.	752.812	0.3	3010.84	1.4
MISSING	659.805	0.3	3670.64	1.7
OUT OF RANGE	183.708	0.1	3854.35	1.8
REFUSAL	198.113	0.1	4052.46	1.9
UNCOOEABLE	342.961	0.2	4395.42	2.0
VALID SKIP	21926.6	10.1	26322	12.1
NONE	7572.32	3.5	33894.3	15.6
VALID VALUES	184075	84.4	217970	100.0

# OF CLERICAL STAFF WHO WORK 20 HRS A WK

SIZ15H2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	508.637	0.2	508.637	0.2
MISSING	3508.86	1.6	4017.5	1.8
OUT OF RANGE	15.5	0.0	4033	1.9
VALID SKIP	33894.3	15.6	37927.3	17.4
NONE	6922.47	3.2	44849.8	20.6
VALID VALUES	173120	79.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

WAGES FOR PHYSICIANS IN R'S PRACTICE 88

COS16	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1410.02	0.6	1410.02	0.6
MISSING	75.875	0.0	1485.9	0.7
REFUSAL	10364	4.8	11849.9	5.4
VALID SKIP	28532.9	13.1	40382.8	18.5
NONE	197.852	0.1	40580.6	18.6
VALID VALUES	177389	81.4	217970	100.0

TOTAL SPENT FOR PHYSICIAN DEFERRED COMP

COS16A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	33310.8	15.3	33310.8	15.3
DONT KNOW	4033.91	1.9	37344.8	17.1
REFUSAL	9099.07	4.2	46443.8	21.3
UNCODEABLE	404.492	0.2	46848.3	21.5
VALID SKIP	28532.9	13.1	75381.2	34.6
NONE	67109.3	30.8	142491	65.4
VALID VALUES	75479.1	34.6	217970	100.0

TOTAL SPENT FOR PHYSICIAN FRINGE BENEFIT

COS16B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	27739.8	12.7	27739.8	12.7
DONT KNOW	6167.09	2.8	33906.9	15.6
MISSING	73.4414	0.0	33980.4	15.6
REFUSAL	9164.57	4.2	43144.9	19.8
UNCODEABLE	532.688	0.2	43677.6	20.0
VALID SKIP	28532.9	13.1	72210.5	33.1
NONE	42609.6	19.5	114820	52.7
VALID VALUES	103150	47.3	217970	100.0

PROVIDED SEPARATELY (AS ASKED)

COSBX9A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1407.41	0.6	1407.41	0.6
MISSING	3275.8	1.5	4683.21	2.1
REFUSAL	1593.7	0.7	6276.92	2.9
VALID SKIP	28532.9	13.1	34809.8	16.0
NO	36315.8	16.7	71125.6	32.6
YES	146844	67.4	217970	100.0

DEFERRED COMP COMBINED WITH TOTAL WAGES

COSBX9A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	685.438	0.3	685.438	0.3
MISSING	2853.36	1.3	3538.8	1.6
REFUSAL	376.141	0.2	3914.94	1.8
VALID SKIP	28532.9	13.1	32447.9	14.9
NO	160478	73.6	192926	88.5
YES	25043.5	11.5	217970	100.0

\*\*\* WEIGHTED \*\*\*

FRINGE BENEFITS COMBINED W/TOTAL WAGES

COSBX9A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	754.367	D.3	754.367	D.3
MISSING	2853.36	1.3	3607.73	1.7
REFUSAL	376.141	D.2	3983.87	1.8
VALID SKIP	28532.9	13.1	32516.8	14.9
NO	165895	76.1	198411	91.D
YES	19558.4	9.0	217970	100.0

BNFTS COMBINED W/DEFERRED COMPENSATION

COSBX9A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1334.7	0.6	1334.7	D.6
MISSING	3351.95	1.5	4686.64	2.2
REFUSAL	1593.7	D.7	6280.35	2.9
VALID SKIP	28532.9	13.1	34813.3	16.D
ND	178434	81.9	213248	97.8
YES	4722.04	2.2	217970	100.D

TOTAL WAGES FDR PHYSICIAN EMPLOYEES 88

CDS17	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	5107.58	2.3	5107.58	2.3
DDNT KNOW	1180.65	D.5	6288.23	2.9
MISSING	388.668	0.2	6676.9	3.1
REFUSAL	1589.76	0.7	8266.67	3.8
UNCDEABLE	106.891	D.D	8373.56	3.8
VALID SKIP	28954	13.3	37327.6	17.1
NONE	152467	69.9	189794	87.1
VALID VALUES	28175.2	12.9	217970	100.0

TOTAL SPENT FDR MD EMPS DEFERRED COMP

CDS17A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	8430.47	3.9	8430.47	3.9
DONT KNOW	1818.65	0.8	10249.1	4.7
MISSING	545.988	0.3	10795.1	5.0
REFUSAL	1693.39	0.8	12488.5	5.7
UNCDEABLE	155.035	D.1	12643.5	5.8
VALID SKIP	28954	13.3	41597.5	19.1
NDNE	168266	77.2	209863	96.3
VALID VALUES	8106.5	3.7	217970	100.D

TOTAL SPENT FOR MD EMPS FRINGE BENEFITS

CDS17B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	8793.36	4.0	8793.36	4.0
DONT KNOW	2171.4	1.0	10964.8	5.0
MISSING	452.914	0.2	11417.7	5.2
REFUSAL	1595.2	0.7	13012.9	6.D
UNCODEABLE	155.035	0.1	13167.9	6.D
VALID SKIP	28954	13.3	42121.9	19.3
NDNE	158577	72.8	200699	92.1
VALID VALUES	17270.8	7.9	217970	100.D



\*\*\* WEIGHTED \*\*\*

PROVIDEO SEPARATELY AS ASKEO

COSB11A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1221.62	0.6	1221.62	0.6
MISSING	1867.36	0.9	3088.98	1.4
REFUSAL	1239.28	0.6	4328.26	2.0
VALIO SKIP	180635	82.9	184963	84.9
NO	9621.93	4.4	194585	89.3
YES	23385	10.7	217970	100.0

DEFERRED COMP COMBINEO WITH TOTAL WAGES

COSB11A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1221.62	0.6	1221.62	0.6
MISSING	1881.63	0.9	3103.25	1.4
REFUSAL	1239.28	0.6	4342.53	2.0
VALID SKIP	180635	82.9	184977	84.9
NO	28526.8	13.1	213504	98.0
YES	4465.78	2.0	217970	100.0

FRINGE BENEFITS COMBINEO W/ TOTAL WAGES

COSB11A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	1221.62	0.6	1221.62	0.6
MISSING	1881.63	0.9	3103.25	1.4
REFUSAL	1239.28	0.6	4342.53	2.0
VALIO SKIP	180635	82.9	184977	84.9
NO	29349	13.5	214326	98.3
YES	3643.57	1.7	217970	100.0

BNFTS COMBINEO W/OEFERRED COMPENSATION

COSB11A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1221.62	0.6	1221.62	0.6
MISSING	1953.63	0.9	3175.25	1.5
REFUSAL	1239.28	0.6	4414.53	2.0
VALIO SKIP	180635	82.9	185049	84.9
NO	32285.8	14.8	217335	99.7
YES	634.766	0.3	217970	100.0

TOTAL WAGES FOR NON-PHYSICIAN EMPLOYEES

COS18	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	1528.19	0.7	1528.19	0.7
OONT KNOW	2292.22	1.1	3820.41	1.8
MISSING	95.1445	0.0	3915.55	1.8
REFUSAL	5177.22	2.4	9092.78	4.2
VALIO SKIP	28532.9	13.1	37625.7	17.3
NONE	18943.4	8.7	56569.1	26.0
VALID VALUES	161401	74.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

TOTAL SPENT NON-PHYSICIAN DEFERRED COMP

COS18A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	25190.2	11.6	25190.2	11.6
DONT KNOW	4359.07	2.0	29549.2	13.6
MISSING	360.867	0.2	29910.1	13.7
REFUSAL	4910.56	2.3	34820.7	16.0
UNCODEABLE	187.793	0.1	35008.4	16.1
VALID SKIP	28532.9	13.1	63541.4	29.2
NONE	83905.7	38.5	147447	67.6
VALID VALUES	70522.6	32.4	217970	100.0

TOTAL SPENT NON-PHYSICIAN FRINGE BENEFIT

COS18B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	22165.5	10.2	22165.5	10.2
DONT KNOW	5469.25	2.5	27634.8	12.7
MISSING	195.813	0.1	27830.6	12.8
REFUSAL	5077.97	2.3	32908.5	15.1
UNCODEABLE	211.938	0.1	33120.5	15.2
VALID SKIP	28532.9	13.1	61653.4	28.3
NONE	49750.5	22.8	111404	51.1
VALID VALUES	106566	48.9	217970	100.0

PROVIDED SEPARATELY AS ASKED

COSB13A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1902.68	0.9	1902.68	0.9
MISSING	3422.71	1.6	5325.4	2.4
REFUSAL	3129.1	1.4	8454.49	3.9
VALID SKIP	46118.6	21.2	54573.1	25.0
NO	31388.7	14.4	85961.8	39.4
YES	132008	60.6	217970	100.0

DEFERRED COMP COMBINED WTH TOTAL WAGES

COSB13A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1729.45	0.8	1729.45	0.8
MISSING	3392.72	1.6	5122.16	2.3
REFUSAL	3189.39	1.5	8311.55	3.8
VALID SKIP	46118.6	21.2	54430.2	25.0
NO	146913	67.4	201343	92.4
YES	16626.4	7.6	217970	100.0

FRINGE BENEFITS COMBINED W/TOTAL WAGES

COSB13A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1698.32	0.8	1698.32	0.8
MISSING	3392.72	1.6	5091.04	2.3
REFUSAL	3129.1	1.4	8220.13	3.8
VALID SKIP	46118.6	21.2	54338.8	24.9
NO	151826	69.7	206165	94.6
YES	11804.5	5.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

BNFTS COMBINED W/DEFERRED COMPENSATION

COSB13A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1859.79	0.9	1859.79	0.9
MISSING	3456.7	1.6	5316.49	2.4
REFUSAL	3105.75	1.4	8422.24	3.9
VALID SKIP	46118.6	21.2	54540.9	25.0
NO	158521	72.7	213061	97.7
YES	4908.28	2.3	217970	100.0

IN 1988 DID R RENT OR OWN OFFICE SPACE

COS19	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	454.265	0.2	454.265	0.2
MISSING	31.0117	0.0	485.277	0.2
REFUSAL	1140.98	0.5	1626.26	0.7
VALID SKIP	28532.9	13.1	30159.2	13.8
RENT	137631	63.1	167790	77.0
OWN	25817.8	11.8	193608	88.8
BOTH	12737.5	5.8	206346	94.7
NEITHER	11624	5.3	217970	100.0

YEARLY OFFICE SPACE RENTAL OR LEASE COST

COS19A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	491.804	0.2	491.804	0.2
DONT KNOW	833.824	0.4	1325.63	0.6
MISSING	103.18	0.0	1428.81	0.7
OUT OF RANGE	62.0078	0.0	1490.82	0.7
REFUSAL	66.2688	0.0	1557.08	0.7
VALID SKIP	30159.2	13.8	31716.3	14.6
NONE	38032.3	17.4	69748.6	32.0
VALID VALUES	148221	68.0	217970	100.0

1988 DEPRECIATION COST FOR OFFICE SPACE

COS19B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	452.371	0.2	452.371	0.2
DONT KNOW	5657.45	2.6	6109.82	2.8
REFUSAL	494.648	0.2	6604.47	3.0
UNCODEABLE	48.9651	0.0	6653.43	3.1
VALID SKIP	30159.2	13.8	36812.6	16.9
NONE	155085	71.1	191898	88.0
VALID VALUES	26072.1	12.0	217970	100.0

RENTAL/LEASE INCLUDE UTILITIES/TELEPHONE

COS19C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	308.504	0.1	308.504	0.1
MISSING	129.512	0.1	438.016	0.2
REFUSAL	71.8867	0.0	509.902	0.2
VALID SKIP	52157.8	23.9	52667.7	24.2
UTILITIES/TELE	10881.4	5.0	63549.1	29.2
UTILITIES ONLY	45609.4	20.9	109159	50.1
TELEPHONE ONLY	2017.7	0.9	111176	51.0
NEITHER	106793	49.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

EXPENSES FOR UTILITIES/TELEPHONE IN 1988

COS190	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	750.91	0.3	750.91	0.3
DONT KNOW	3861.59	1.8	4612.5	2.1
MISSING	366.952	0.2	4979.45	2.3
OUT OF RANGE	71.1172	0.0	5050.56	2.3
REFUSAL	1841.65	0.8	6892.22	3.2
VALIO SKIP	28655.2	13.1	35547.4	16.3
NONE	23217.3	10.7	58764.7	27.0
VALIO VALUES	159205	73.0	217970	100.0

TOTAL SQUARE FOOTAGE OF OFFICE SPACE

COS19E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	22898.5	10.5	22898.5	10.5
MAIL QUEST.	752.812	0.3	23651.3	10.9
MISSING	4807.34	2.2	28458.7	13.1
NOT APPLICABLE	556.27	0.3	29014.9	13.3
REFUSAL	1886.07	0.9	30901	14.2
UNCODEABLE	97.4922	0.0	30998.5	14.2
VALIO SKIP	28532.9	13.1	59531.4	27.3
NONE	3166.91	1.5	62698.4	28.8
VALIO VALUES	155271	71.2	217970	100.0

COST PER SQUARE FOOT FOR OFFICE SPACE

COS19F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MAIL QUEST.	752.812	0.3	752.812	0.3
MISSING	167.09	0.1	919.901	0.4
VALID SKIP	194318	89.1	195238	89.6
NONE	528.27	0.2	195767	89.8
VALIO VALUES	22203.2	10.2	217970	100.0

REASON FOR NO EXPENSES FOR OFFICE SPACE

COS20	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	29.4414	0.0	29.4414	0.0
MISSING	777.711	0.4	807.152	0.4
VALID SKIP	202145	92.7	202952	93.1
OFFICE IN HOME	1991.16	0.9	204943	94.0
FREE FROM HOSP.	8001.06	3.7	212944	97.7
BLOG PAIO OFF	979.738	0.4	213924	98.1
BLOG OEPRECIATEO	1839.38	0.8	215763	99.0
OTHER	2206.24	1.0	217970	100.0

MEDICAL EQUIPMENT DEPRECIATION EXPENSES

COS21	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINEO	3014.37	1.4	3014.37	1.4
DONT KNOW	18009.1	8.3	21023.5	9.6
MISSING	162.551	0.1	21186	9.7
REFUSAL	2315.11	1.1	23501.1	10.8
UNCODEABLE	93.0742	0.0	23594.2	10.8
VALID SKIP	28532.9	13.1	52127.1	23.9
NONE	65728.9	30.2	117856	54.1
VALIO VALUES	100114	45.9	217970	100.0



\*\*\* WEIGHTED \*\*\*

ANNUAL EXPENSES FOR ALL MEDICAL SUPPLIES

COS22	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	2271.91	1.0	2271.91	1.0
DONT KNOW	7325.79	3.4	9597.7	4.4
MISSING	165.203	0.1	9762.9	4.5
REFUSAL	2489.38	1.1	12252.3	5.6
VALID SKIP	28532.9	13.1	40785.2	18.7
NONE	26745.5	12.3	67530.8	31.0
VALID VALUES	150439	69.0	217970	100.0

OFFICE SUPPLIES INCLUDED IN COS22

COSBOX16	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	15662.6	7.2	15662.6	7.2
MAIL QUEST.	752.812	0.3	16415.4	7.5
MISSING	14355.4	6.6	30770.8	14.1
REFUSAL	1666.57	0.8	32437.4	14.9
VALID SKIP	28532.9	13.1	60970.3	28.0
NO	145427	66.7	206397	94.7
YES	11572.4	5.3	217970	100.0

MALPRACTICE INSURANCE COST ALL MEMBERS

COS23	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	328.039	0.2	328.039	0.2
DONT KNOW	1660.62	0.8	1988.66	0.9
REFUSAL	1750.46	0.8	3739.12	1.7
UNCODEABLE	72.3047	0.0	3811.43	1.7
VALID SKIP	28532.9	13.1	32344.4	14.8
NONE	3337.14	1.5	35681.5	16.4
VALID VALUES	182288	83.6	217970	100.0

AUTOMOBILE UPKEEP AND DEPRECIATION COST

COS24	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1243.27	0.6	1243.27	0.6
DONT KNOW	9229.67	4.2	10472.9	4.8
MISSING	64.2461	0.0	10537.2	4.8
REFUSAL	2206.12	1.0	12743.3	5.8
VALID SKIP	28532.9	13.1	41276.2	18.9
NONE	68563.8	31.5	109840	50.4
VALID VALUES	108130	49.6	217970	100.0

CONTINUING EDUCATION EXPENSES FOR 1988

COS25	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1967.82	0.9	1967.82	0.9
DONT KNOW	4424.11	2.0	6391.92	2.9
REFUSAL	1810.28	0.8	8202.2	3.8
VALID SKIP	28532.9	13.1	36735.1	16.9
NONE	16662.7	7.6	53397.8	24.5
VALID VALUES	164572	75.5	217970	100.0

\*\*\* WEIGHTED \*\*\*

COST FOR MISCELLANEOUS ITEMS IN 1988

COS26	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1063.82	0.5	1063.82	0.5
DONT KNOW	7160.74	3.3	8224.56	3.8
MISSING	77.3438	0.0	8301.91	3.8
OUT OF RANGE	122.285	0.1	8424.19	3.9
REFUSAL	2409.47	1.1	10833.7	5.0
VALID SKIP	28532.9	13.1	39366.6	18.1
NONE	5023.83	2.3	44390.4	20.4
VALID VALUES	173579	79.6	217970	100.0

R'S OWN PERSONAL NET INCOME IN 1988

INC29A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	55934.3	25.7	55934.3	25.7
MISSING	99.2266	0.0	56033.5	25.7
REFUSAL	16571.7	7.6	72605.1	33.3
NONE	181.527	0.1	72786.7	33.4
VALID VALUES	145183	66.6	217970	100.0

RANGE FOR PERSONAL NET INCOME

INC29B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2975.3	1.4	2975.3	1.4
MISSING	75.875	0.0	3051.17	1.4
REFUSAL	13551.9	6.2	16603	7.6
VALID SKIP	145365	66.7	161968	74.3
< \$30K	681.552	0.3	162649	74.6
\$30K - < \$40K	451.822	0.2	163101	74.8
\$40K - < \$50K	1236.13	0.6	164337	75.4
\$50K - < \$60K	1410.62	0.6	165748	76.0
\$60K - < \$70K	1688.25	0.8	167436	76.8
\$70K - < \$80K	2895.96	1.3	170332	78.1
\$80K - < \$90K	4866.36	2.2	175198	80.4
\$90K - < \$100K	4663.3	2.1	179862	82.5
\$100K - < \$120K	7465.54	3.4	187327	85.9
\$120K - < \$140K	7602.32	3.5	194929	89.4
\$140K - < \$160K	5693.31	2.6	200623	92.0
\$160K - < \$200K	5810.37	2.7	206433	94.7
\$160K - < \$250K	4205.59	1.9	210639	96.6
\$250K - < \$300K	2959.02	1.4	213598	98.0
\$300K - < \$350K	1202.78	0.6	214801	98.5
\$350K - < \$400K	870.579	0.4	215671	98.9
\$400K - < \$450K	540.199	0.2	216211	99.2
\$450K - < \$500K	649.179	0.3	216860	99.5
\$500K +	1109.23	0.5	217970	100.0

HOW MUCH WAS PERSONAL NET INCOME >\$500K

INC29C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	318.304	0.1	318.304	0.1
MISSING	260.895	0.1	579.199	0.3
REFUSAL	64.9761	0.0	644.175	0.3
VALID SKIP	216860	99.5	217505	99.8
VALID VALUES	465.06	0.2	217970	100.0

NET INCOME % FRM OTHER MEDICAL PRACTICES

INC30	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	12306.6	5.6	12306.6	5.6
MAIL QUEST.	752.812	0.3	13059.4	6.0
MISSING	4305.5	2.0	17364.9	8.0
REFUSAL	9043.69	4.1	26408.6	12.1
UNCODEABLE	14.7642	0.0	26423.3	12.1
NONE	158023	72.5	184446	84.6
VALID VALUES	33523.7	15.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

APPROX INCOME NOT FROM MAIN PRACTICE

INC30A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3548.59	1.6	3548.59	1.6
MAIL QUEST.	752.812	0.3	4301.4	2.0
MISSING	341.824	0.2	4643.22	2.1
REFUSAL	260.309	0.1	4903.53	2.2
VALID SKIP	204977	94.0	209881	96.3
NONE	190.852	0.1	210072	96.4
VALID VALUES	7898.19	3.6	217970	100.0

OWN MALPRACTICE INSURANCE PAID IN 1988

MAL31	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	4310.31	2.0	4310.31	2.0
OUT OF RANGE	257.332	0.1	4567.65	2.1
REFUSAL	1404.65	0.6	5972.3	2.7
UNCODEABLE	25	0.0	5997.3	2.8
NONE	3762.1	1.7	9759.4	4.5
VALID VALUES	208210	95.5	217970	100.0

AMOUNT PAID TO PATIENT COMPENSATION FUND

MAL32	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	6223.95	2.9	6223.95	2.9
DONT KNOW	18285.3	8.4	24509.2	11.2
MAIL QUEST.	752.812	0.3	25262.1	11.6
MISSING	1573.68	0.7	26835.7	12.3
REFUSAL	686.059	0.3	27521.8	12.6
UNCODEABLE	52.4492	0.0	27574.2	12.7
VALID SKIP	146360	67.1	173935	79.8
NONE	22021.4	10.1	195956	89.9
VALID VALUES	22013.7	10.1	217970	100.0

HOSPITAL PAYS R'S MALPRACTICE INSURANCE

MAL33	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1135.78	0.5	1135.78	0.5
MAIL QUEST.	752.812	0.3	1888.59	0.9
MISSING	930.022	0.4	2818.61	1.3
REFUSAL	1015.3	0.5	3833.92	1.8
NO	204932	94.0	208766	95.8
YES	9203.29	4.2	217970	100.0

TOTL MALPRACTICE INSURANCE HOSPITAL PAID .

MAL33A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3799.13	1.7	3799.13	1.7
MAIL QUEST.	752.812	0.3	4551.94	2.1
MISSING	103.344	0.0	4655.28	2.1
UNCODEABLE	61.9805	0.0	4717.26	2.2
VALID SKIP	3081.1	1.4	7798.36	3.6
NONE	204932	94.0	212731	97.6
VALID VALUES	5238.84	2.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

HOSPITAL PROVIDE COVERAGE OR NOT INSURED

MAL34	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2737.3	1.3	2737.3	1.3
MAIL QUEST.	752.812	0.3	3490.11	1.6
MISSING	2608.02	1.2	6098.13	2.8
REFUSAL	1065.88	0.5	7164.01	3.3
VALID SKIP	207381	95.1	214545	98.4
HOSP. COVERAGE	1323.88	0.6	215869	99.0
NOT INSURED	2100.9	1.0	217970	100.0

YEAR DISCONTINUED MALPRACTICE INSURANCE

MAL34A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	163.91	0.1	163.91	0.1
MAIL QUEST.	752.812	0.3	916.722	0.4
MISSING	51.168	0.0	967.89	0.4
REFUSAL	5.27979	0.0	973.169	0.4
VALID SKIP	215116	98.7	216089	99.1
NEVER INSURED	580.779	0.3	216670	99.4
79	57.6914	0.0	216728	99.4
80	102.742	0.0	216830	99.5
84	46.5703	0.0	216877	99.5
85	302.328	0.1	217179	99.6
86	74.2539	0.0	217254	99.7
87	442.723	0.2	217696	99.9
88	273.457	0.1	217970	100.0

LIMIT PER CASE ON MALPRACTICE POLICIES

MAL35	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6214.1	2.9	6214.1	2.9
MISSING	289.52	0.1	6503.62	3.0
REFUSAL	418.997	0.2	6922.62	3.2
UNCODEABLE	49.1641	0.0	6971.78	3.2
VALID SKIP	2100.9	1.0	9072.69	4.2
\$100K	13178	6.0	22250.7	10.2
\$200K	14927.3	6.8	37178	17.1
\$300K	7368.52	3.4	44546.5	20.4
\$500K	12581.9	5.8	57128.5	26.2
\$1MIL	125480	57.6	182608	83.8
\$3MIL	8193.21	3.8	190801	87.5
OTHER	27168.5	12.5	217970	100.0

LIMIT PER CASE ON MALPRACTICE (OTHER)

Q35VERB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	102.473	0.0	102.473	0.0
OUT OF RANGE	14.2742	0.0	116.747	0.1
UNCODEABLE	531.766	0.2	648.513	0.3
VALID SKIP	190801	87.5	191450	87.8
VALID VALUES	26520	12.2	217970	100.0



\*\*\* WEIGHTED \*\*\*

TOTAL LIMIT ON ALL MALPRACTICE POLICIES

MAL36	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7065.22	3.2	7065.22	3.2
MISSING	289.52	0.1	7354.74	3.4
REFUSAL	427.497	0.2	7782.24	3.6
VALID SKIP	2100.9	1.0	9883.14	4.5
\$300K	11788.5	5.4	21671.6	9.9
\$500K	2911.56	1.3	24583.2	11.3
\$600K	15831.9	7.3	40415.1	18.5
\$1MIL	29105.2	13.4	69520.3	31.9
\$3MIL	105067	48.2	174587	80.1
\$5MIL	9077.54	4.2	183665	84.3
OTHER	34305	15.7	217970	100.0

TOTAL LIMIT ON MALPRACTICE (OTHER)

Q36VERB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	52.8828	0.0	52.8828	0.0
MISSING	60.7813	0.0	113.664	0.1
OUT OF RANGE	27.7668	0.0	141.431	0.1
UNCODEABLE	688.375	0.3	829.805	0.4
VALID SKIP	183665	84.3	184494	84.6
VALID VALUES	33475.2	15.4	217970	100.0

DOES R HAVE AN UMBRELLA POLICY

MAL37	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6663.91	3.1	6663.91	3.1
MAIL QUEST.	752.812	0.3	7416.72	3.4
MISSING	1709.52	0.8	9126.24	4.2
REFUSAL	935.234	0.4	10061.5	4.6
NO	151741	69.6	161802	74.2
YES	56167.4	25.8	217970	100.0

LIMIT ON R'S UMBRELLA POLICY

MAL37A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	9013.24	4.1	9013.24	4.1
MAIL QUEST.	752.812	0.3	9766.05	4.5
MISSING	1161.91	0.5	10928	5.0
REFUSAL	405.969	0.2	11333.9	5.2
UNCODEABLE	209.625	0.1	11543.6	5.3
VALID SKIP	161050	73.9	172593	79.2
< \$1MIL	5574.29	2.6	178167	81.7
\$1MIL - < \$3MIL	25180.1	11.6	203347	93.3
\$3MIL - < \$5MIL	6976.79	3.2	210324	96.5
\$5MIL - < \$10MIL	6444.4	3.0	216769	99.4
\$10MIL - < \$15MIL	554.061	0.3	217323	99.7
\$15MIL - < \$20MIL	77.3438	0.0	217400	99.7
\$20MIL +	569.653	0.3	217970	100.0

% OF REVENUES FROM UNINSURED PATIENTS

MED38A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	187.266	0.1	187.266	0.1
DONT KNOW	13674.1	6.3	13861.3	6.4
MAIL QUEST.	752.812	0.3	14614.2	6.7
MISSING	101.152	0.0	14715.3	6.8
REFUSAL	714.942	0.3	15430.2	7.1
NONE	16791.7	7.7	32222	14.8
VALID VALUES	185748	85.2	217970	100.0

\*\*\* WEIGHTED \*\*\*

% OF REVENUES FROM MEDICARE PART B

MED38B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	205.223	0.1	205.223	0.1
DONT KNOW	9390.07	4.3	9595.3	4.4
MISSING	161.672	0.1	9756.97	4.5
REFUSAL	578.391	0.3	10335.4	4.7
NONE	20899.4	9.6	31234.8	14.3
VALID VALUES	186735	85.7	217970	100.0

% OF REVENUES FROM MEDICAID

MED38C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	703.086	0.3	703.086	0.3
DONT KNOW	11113.7	5.1	11816.7	5.4
MAIL QUEST.	752.812	0.3	12569.6	5.8
MISSING	256.516	0.1	12826.1	5.9
REFUSAL	714.942	0.3	13541	6.2
NONE	38079.9	17.5	51620.9	23.7
VALID VALUES	166349	76.3	217970	100.0

% OF REVENUES FROM PRIVATE BLUE SHIELD

MED38D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	21852.8	10.0	21852.8	10.0
DONT KNOW	13574.8	6.2	35427.6	16.3
MAIL QUEST.	752.812	0.3	36180.5	16.6
MISSING	256.516	0.1	36437	16.7
REFUSAL	714.942	0.3	37151.9	17.0
NONE	12875	5.9	50026.9	23.0
VALID VALUES	167943	77.0	217970	100.0

% REVENUES FROM OTH PRIVATE HEALTH PLANS

MED38E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	9187.73	4.2	9187.73	4.2
DONT KNOW	12916.3	5.9	22104	10.1
MAIL QUEST.	752.812	0.3	22856.8	10.5
MISSING	256.516	0.1	23113.3	10.6
REFUSAL	714.942	0.3	23828.3	10.9
NONE	15452	7.1	39280.3	18.0
VALID VALUES	178689	82.0	217970	100.0

% OF REVENUES FROM OTHER SOURCES SPECIFY

MED38F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	514.117	0.2	514.117	0.2
DONT KNOW	12568.7	5.8	13082.8	6.0
MAIL QUEST.	752.812	0.3	13835.7	6.3
MISSING	991.223	0.5	14826.9	6.8
REFUSAL	714.942	0.3	15541.8	7.1
NONE	174685	80.1	190227	87.3
VALID VALUES	27742.9	12.7	217970	100.0

\*\*\* WEIGHTED \*\*\*

PERCENTAGES REPORTED COMBINED/SEPARATELY

MEOBX21B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6653.24	3.1	6653.24	3.1
MAIL QUEST.	752.812	0.3	7406.05	3.4
MISSING	6531.27	3.0	13937.3	6.4
REFUSAL	741.867	0.3	14679.2	6.7
COMBINED	30028.7	13.8	44707.9	20.5
SEPARATELY	173262	79.5	217970	100.0

PERCENTAGES INDIVIDUAL OR PRACTICE LEVEL

MEOBX21C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	6379.96	2.9	6379.96	2.9
MAIL QUEST.	752.812	0.3	7132.77	3.3
MISSING	9416.47	4.3	16549.2	7.6
REFUSAL	584.051	0.3	17133.3	7.9
INDIVIDUAL	95329.8	43.7	112463	51.6
PRACTICE	105507	48.4	217970	100.0

% OF MEDICARE HAD SUPPLEMENTAL INSURANCE

ME038G	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	27077.2	12.4	27077.2	12.4
MAIL QUEST.	752.812	0.3	27830	12.8
MISSING	610.668	0.3	28440.7	13.0
REFUSAL	448.621	0.2	28889.3	13.3
VALID SKIP	20862.3	9.6	49751.6	22.8
NONE	4667.02	2.1	54418.6	25.0
VALID VALUES	163551	75.0	217970	100.0

% OF MEDICARE CASES COVERED BY MEDICAID

MED38H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	33.1333	0.0	33.1333	0.0
DONT KNOW	20885.3	9.6	20918.5	9.6
MAIL QUEST.	752.812	0.3	21671.3	9.9
MISSING	642.895	0.3	22314.2	10.2
REFUSAL	530.969	0.2	22845.1	10.5
VALID SKIP	20862.3	9.6	43707.5	20.1
NONE	23806.9	10.9	67514.4	31.0
VALID VALUES	150455	69.0	217970	100.0

SIGN MEDICARE AGREEMENT IN APRIL 1988

ME039	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1093.87	0.5	1093.87	0.5
MAIL QUEST.	167.504	0.1	1261.37	0.6
MISSING	182.629	0.1	1444	0.7
REFUSAL	265.688	0.1	1709.69	0.8
VALID SKIP	20862.3	9.6	22572	10.4
NO	97840	44.9	120412	55.2
YES	97557.6	44.8	217970	100.0

\*\*\* WEIGHTED \*\*\*

SIGN MEDICARE AGREEMENT IN JANUARY 1989

MED40	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1351.37	0.6	1351.37	0.6
MAIL QUEST.	752.812	0.3	2104.19	1.0
MISSING	182.629	0.1	2286.81	1.0
REFUSAL	231.703	0.1	2518.52	1.2
VALID SKIP	20862.3	9.6	23380.8	10.7
NO	98907.9	45.4	122289	56.1
YES	95681	43.9	217970	100.0

% OF MEDICARE ACCEPTED ON ASSIGNMENT

MED40B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5292.68	2.4	5292.68	2.4
MAIL QUEST.	752.812	0.3	6045.49	2.8
MISSING	388.93	0.2	6434.42	3.0
REFUSAL	436.402	0.2	6870.83	3.2
VALID SKIP	117972	54.1	124843	57.3
NONE	11392	5.2	136235	62.5
VALID VALUES	81734.8	37.5	217970	100.0

% NON-ASSIGNED MEDICARE COLLECT IN FULL

MED40C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	8953.55	4.1	8953.55	4.1
MAIL QUEST.	752.812	0.3	9706.36	4.5
MISSING	1190.11	0.5	10896.5	5.0
REFUSAL	436.402	0.2	11332.9	5.2
VALID SKIP	125948	57.8	137281	63.0
NONE	3207.8	1.5	140488	64.5
VALID VALUES	77481.4	35.5	217970	100.0

% BILL TO INSURER OR MEDICAID DIRECTLY

MED41A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7760.29	3.6	7760.29	3.6
MAIL QUEST.	752.812	0.3	8513.1	3.9
MISSING	1278.9	0.6	9792	4.5
REFUSAL	402.355	0.2	10194.4	4.7
UNCODEABLE	235.516	0.1	10429.9	4.8
VALID SKIP	33844.6	15.5	44274.4	20.3
NONE	15824	7.3	60098.4	27.6
VALID VALUES	157871	72.4	217970	100.0

% BILL TO THE PATIENT DIRECTLY

MED41B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7961.35	3.7	7961.35	3.7
MAIL QUEST.	752.812	0.3	8714.16	4.0
MISSING	1486.37	0.7	10200.5	4.7
REFUSAL	402.355	0.2	10602.9	4.9
UNCODEABLE	173.133	0.1	10776	4.9
VALID SKIP	33844.6	15.5	44620.6	20.5
NONE	117786	54.0	162406	74.5
VALID VALUES	55563.4	25.5	217970	100.0



\*\*\* WEIGHTED \*\*\*

% BILL TO PATIENT FOR THE DEDUCTIBLE

ME041C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7078.27	3.2	7078.27	3.2
MAIL QUEST.	752.812	0.3	7831.08	3.6
MISSING	1100.55	0.5	8931.63	4.1
REFUSAL	402.355	0.2	9333.99	4.3
UNCOOEABLE	49.4805	0.0	9383.47	4.3
VALIO SKIP	53749.5	24.7	63133	29.0
NONE	15289	7.0	78422	36.0
VALID VALUES	139548	64.0	217970	100.0

% BILL TO PATIENT FOR THE COINSURANCE

ME041D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7888.05	3.6	7888.05	3.6
MAIL QUEST.	752.812	0.3	8640.86	4.0
MISSING	1594.85	0.7	10235.7	4.7
REFUSAL	402.355	0.2	10638.1	4.9
UNCOOEABLE	97.3516	0.0	10735.4	4.9
VALIO SKIP	53749.5	24.7	64484.9	29.6
NONE	16531.7	7.6	81016.6	37.2
VALID VALUES	136953	62.8	217970	100.0

% OF DEDUCTIBLE & COINSURANCE R COLLECT

MED42	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	14535.3	6.7	14535.3	6.7
MAIL QUEST.	752.812	0.3	15288.1	7.0
MISSING	4315.55	2.0	19603.7	9.0
REFUSAL	497.199	0.2	20100.9	9.2
UNCOOEABLE	94.8438	0.0	20195.7	9.3
VALID SKIP	32254.3	14.8	52450	24.1
NONE	6954.5	3.2	59404.5	27.3
VALID VALUES	158565	72.7	217970	100.0

RACE OF RESPONDENT

DEM43	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	79.1602	0.0	79.1602	0.0
MAIL QUEST.	752.812	0.3	831.972	0.4
MISSING	121.426	0.1	953.397	0.4
REFUSAL	1141.41	0.5	2094.81	1.0
WHITE	178891	82.1	180986	83.0
HISPANIC	6496.27	3.0	187482	86.0
BLACK	5618.1	2.6	193101	88.6
ASIAN/PACIFIC	23694.1	10.9	216795	99.5
INDIAN/ALASKAN	584.918	0.3	217380	99.7
OTHER	590.059	0.3	217970	100.0

R OWNS/LEASES/RENTS X-RAY EQUIPMNT

EQU44A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	200.344	0.1	200.344	0.1
MAIL QUEST.	752.812	0.3	953.155	0.4
MISSING	467.953	0.2	1421.11	0.7
NO	160711	73.7	162132	74.4
YES	55838	25.6	217970	100.0

\*\*\* WEIGHTED \*\*\*

R HAS INVESTMENT IN X-RAY EQUIPMENT

EQU44AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	396.613	0.2	396.613	0.2
MAIL QUEST.	752.812	0.3	1149.42	0.5
MISSING	2898.91	1.3	4048.33	1.9
NO	205723	94.4	209771	96.2
YES	8198.34	3.8	217970	100.0

X-RAY EQUIPMENT PURCHASED

EQU45A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	799.195	0.4	799.195	0.4
MISSING	585.039	0.3	1384.23	0.6
VALID SKIP	162132	74.4	163516	75.0
NO	5851.3	2.7	169367	77.7
YES	48602.4	22.3	217970	100.0

X-RAY EQUIPMENT LEASED

EQU45A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	799.195	0.4	799.195	0.4
MISSING	585.039	0.3	1384.23	0.6
VALID SKIP	162132	74.4	163516	75.0
NO	48024.4	22.0	211540	97.1
YES	6429.37	2.9	217970	100.0

X-RAY EQUIPMENT RENTED

EQU45A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	799.195	0.4	799.195	0.4
MISSING	585.039	0.3	1384.23	0.6
VALID SKIP	162132	74.4	163516	75.0
NO	52594.2	24.1	216110	99.1
YES	1859.6	0.9	217970	100.0

TOTAL COST OF X-RAY EQUIPMENT

EQU47A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	387.992	0.2	387.992	0.2
DONT KNOW	16242.7	7.5	16630.7	7.6
MISSING	2088.03	1.0	18718.8	8.6
REFUSAL	350.973	0.2	19069.7	8.7
VALID SKIP	162132	74.4	181201	83.1
NONE	79.4492	0.0	181281	83.2
VALID VALUES	36688.8	16.8	217970	100.0

X-RAY EQUIPMENT COSTS SHARED

EQU48A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1507.71	0.7	1507.71	0.7
MISSING	1772.17	0.8	3279.88	1.5
REFUSAL	71.8867	0.0	3351.76	1.5
VALID SKIP	162132	74.4	165483	75.9
NO	48903.7	22.4	214387	98.4
YES	3582.5	1.6	217970	100.0

\*\*\* WEIGHTED \*\*\*

R SHARE OF X-RAY EQUIPMENT COSTS

EQU49A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	674.828	0.3	674.828	0.3
MISSING	121.609	0.1	796.438	0.4
VALID SKIP	214387	98.4	215184	98.7
1	31.6797	0.0	215215	98.7
3	410.328	0.2	215626	98.9
5	32	0.0	215658	98.9
6	31.8906	0.0	215690	99.0
12	67.1758	0.0	215757	99.0
16	42.1094	0.0	215799	99.0
20	69.7148	0.0	215869	99.0
25	507.23	0.2	216376	99.3
30	73.3516	0.0	216449	99.3
33	126.23	0.1	216575	99.4
40	74.7461	0.0	216650	99.4
50	956.523	0.4	217607	99.8
55	98.1914	0.0	217705	99.9
58	114.461	0.1	217819	99.9
66	100.738	0.0	217920	100.0
75	49.6914	0.0	217970	100.0

MAINTENANCE COST FOR X-RAY EQUIPMENT

EQU50A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	837.123	0.4	837.123	0.4
DONT KNOW	11958	5.5	12795.1	5.9
MISSING	2334.43	1.1	15129.6	6.9
REFUSAL	193.898	0.1	15323.5	7.0
VALID SKIP	162132	74.4	177455	81.4
NO MAINT. COST	7938.7	3.6	185394	85.1
VALID VALUES	32575.8	14.9	217970	100.0

# OF TESTS PERFORMD USING X-RAY EQPMNT

EQU51A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5271.79	2.4	5271.79	2.4
MISSING	839.39	0.4	6111.18	2.8
OUT OF RANGE	63.5859	0.0	6174.76	2.8
REFUSAL	274.102	0.1	6448.86	3.0
VALID SKIP	162132	74.4	168581	77.3
NONE	2053.01	0.9	170634	78.3
VALID VALUES	47336.1	21.7	217970	100.0

PHYSICIAN TIME INVOLVED IN X-RAY

EQU52AR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	801.844	0.4	801.844	0.4
DONT KNOW	6752.91	3.1	7554.76	3.5
MISSING	960.351	0.4	8515.11	3.9
OUT OF RANGE	111.664	0.1	8626.77	4.0
REFUSAL	316.426	0.1	8943.2	4.1
VALID SKIP	162132	74.4	171075	78.5
0	2524	1.2	173599	79.6
1	929.945	0.4	174529	80.1
2	1632.06	0.7	176161	80.8
3	1726.91	0.8	177888	81.6
4	894.719	0.4	178783	82.0
5	10113	4.6	188896	86.7
6	713.231	0.3	189609	87.0
7	514.844	0.2	190124	87.2
8	709.906	0.3	190834	87.6
9	348.934	0.2	191182	87.7
10	10476.7	4.8	201659	92.5
12	738.254	0.3	202397	92.9
13	261.488	0.1	202659	93.0

\*\*\* WEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN X-RAY

EQU52AR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
15	7634.15	3.5	210293	96.5
17	78.5273	0.0	210372	96.5
18	135.996	0.1	210508	96.6
20	2687.37	1.2	213195	97.8
23	91.2227	0.0	213286	97.9
25	474.908	0.2	213761	98.1
30	2256.53	1.0	216018	99.1
40	114.203	0.1	216132	99.2
45	126.266	0.1	216258	99.2
50	185.676	0.1	216444	99.3
60	900.262	0.4	217344	99.7
64	37.4063	0.0	217381	99.7
80	54.9492	0.0	217436	99.8
120	440.515	0.2	217877	100.0
160	92.7734	0.0	217970	100.0

NON-PHYSICIAN TIME SPENT ASSISTING X-RAY

EQU53AR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	801.844	0.4	801.844	0.4
DONT KNOW	7488.16	3.4	8290	3.8
MISSING	1043.42	0.5	9333.42	4.3
OUT OF RANGE	64.1406	0.0	9397.56	4.3
REFUSAL	274.102	0.1	9671.66	4.4
VALID SKIP	162132	74.4	171803	78.8
0	3335.4	1.5	175139	80.4
1	212.652	0.1	175351	80.4
2	96.9609	0.0	175448	80.5
3	434.189	0.2	175883	80.7
4	318.637	0.1	176201	80.8
5	3099.37	1.4	179301	82.3
6	307.441	0.1	179608	82.4
7	344.969	0.2	179953	82.6
8	420.348	0.2	180373	82.8
9	175.961	0.1	180549	82.8
10	9657.07	4.4	190206	87.3
11	152.379	0.1	190359	87.3
12	767.204	0.4	191126	87.7
13	119.672	0.1	191246	87.7
15	10821	5.0	202067	92.7
16	15.5	0.0	202082	92.7
18	88.7422	0.0	202171	92.8
20	6790	3.1	208961	95.9
23	177.484	0.1	209138	95.9
24	200.008	0.1	209338	96.0
25	699.947	0.3	210038	96.4
30	4290.11	2.0	214328	98.3
36	135.066	0.1	214463	98.4
38	64.2461	0.0	214528	98.4
40	525.332	0.2	215053	98.7
45	683.822	0.3	215737	99.0
48	53.5859	0.0	215790	99.0
50	31.5391	0.0	215822	99.0
54	116.551	0.1	215939	99.1
55	53.3047	0.0	215992	99.1
60	1463.79	0.7	217456	99.8
68	37.4063	0.0	217493	99.8
90	198.57	0.1	217692	99.9
115	42.3242	0.0	217734	99.9
120	31.5391	0.0	217765	99.9
150	92.582	0.0	217858	99.9
200	111.664	0.1	217970	100.0



\*\*\* WEIGHTED \*\*\*

R OWNS/LEASES/RENTS EKG EQUIPMENT

EQU44B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	200.344	0.1	200.344	0.1
MAIL QUEST.	752.812	0.3	953.155	0.4
MISSING	483.238	0.2	1436.39	0.7
NO	142359	65.3	143796	66.0
YES	74174.1	34.0	217970	100.0

R HAS INVESTMENT IN ROUTINE EKG EQPMNT

EQU44AB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	624.25	0.3	624.25	0.3
MAIL QUEST.	752.812	0.3	1377.06	0.6
MISSING	2888.71	1.3	4265.77	2.0
NO	208888	95.8	213154	97.8
YES	4815.96	2.2	217970	100.0

EKG EQUIPMENT PURCHASED

EQU45B1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	634.25	0.3	634.25	0.3
MISSING	1073.85	0.5	1708.1	0.8
VALID SKIP	143796	66.0	145504	66.8
NO	7223.78	3.3	152727	70.1
YES	65242.2	29.9	217970	100.0

EKG EQUIPMENT LEASED

EQU45B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	634.25	0.3	634.25	0.3
MISSING	957.297	0.4	1591.55	0.7
VALID SKIP	143796	66.0	145387	66.7
NO	66507.9	30.5	211895	97.2
YES	6074.72	2.8	217970	100.0

EKG EQUIPMENT RENTED

EQU45B3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	634.25	0.3	634.25	0.3
MISSING	957.297	0.4	1591.55	0.7
VALID SKIP	143796	66.0	145387	66.7
NO	71431.1	32.8	216818	99.5
YES	1151.5	0.5	217970	100.0

TOTAL COST OF EKG EQUIPMENT

EQU47B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	846.861	0.4	846.861	0.4
DONT KNOW	20630.2	9.5	21477.1	9.9
MISSING	2459.93	1.1	23937	11.0
REFUSAL	225.02	0.1	24162	11.1
VALID SKIP	143796	66.0	167958	77.1
NONE	92.582	0.0	168050	77.1
VALID VALUES	49919.5	22.9	217970	100.0

\*\*\* WEIGHTED \*\*\*

ROUTINE EKG EQUIPMENT COSTS SHARED

EQU48B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1825.25	0.8	1825.25	0.8
MISSING	2442.2	1.1	4267.46	2.0
VALID SKIP	143796	66.0	148063	67.9
NO	68063.5	31.2	216127	99.2
YES	1843.15	0.8	217970	100.0

R SHARE OF EKG EQUIPMENT COSTS

EQU49B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	308.285	0.1	308.285	0.1
VALID SKIP	216127	99.2	216435	99.3
3	217.559	0.1	216652	99.4
20	33.9844	0.0	216686	99.4
25	212.672	0.1	216899	99.5
30	73.3516	0.0	216972	99.5
33	195.105	0.1	217168	99.6
40	74.7461	0.0	217242	99.7
50	727.445	0.3	217970	100.0

MAINTENANCE COST FOR EKG EQUIPMENT

EQU50B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1493.58	0.7	1493.58	0.7
DONT KNOW	12408.2	5.7	13901.8	6.4
MISSING	2773.25	1.3	16675	7.7
REFUSAL	261.301	0.1	16936.3	7.8
VALID SKIP	143796	66.0	160732	73.7
NO MAINT. COST	27480.3	12.6	188212	86.3
VALID VALUES	29757.5	13.7	217970	100.0

# OF TESTS PERFORMED USING EKG EQUIPMENT

EQU51B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	5437.13	2.5	5437.13	2.5
MISSING	882.753	0.4	6319.88	2.9
OUT OF RANGE	162.479	0.1	6482.36	3.0
REFUSAL	253.02	0.1	6735.38	3.1
VALID SKIP	143796	66.0	150531	69.1
NONE	3170.33	1.5	153701	70.5
VALID VALUES	64268.4	29.5	217970	100.0

PHYSICIAN TIME INVOLVED IN EKG

EQU52BR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	1236.42	0.6	1236.42	0.6
DONT KNOW	5200.36	2.4	6436.78	3.0
MISSING	1198.08	0.5	7634.87	3.5
OUT OF RANGE	214.934	0.1	7849.8	3.6
REFUSAL	253.02	0.1	8102.82	3.7
VALID SKIP	143796	66.0	151898	69.7
0	3335.46	1.5	155234	71.2
1	1520.74	0.7	156755	71.9
2	2361.72	1.1	159116	73.0
3	2592.23	1.2	161709	74.2
4	617.563	0.3	162326	74.5
5	17841.8	8.2	180168	82.7
6	1344.06	0.6	181512	83.3
7	442.805	0.2	181955	83.5
8	753.383	0.3	182708	83.8
9	133.523	0.1	182842	83.9
10	13838.6	6.3	196680	90.2
11	33.9844	0.0	196714	90.2

\*\*\* WEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN EKG

EQU528R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
12	631.809	0.3	197346	90.5
15	9407.16	4.3	206753	94.9
16	29.9961	0.0	206783	94.9
18	158.828	0.1	206942	94.9
20	3342.02	1.5	210284	96.5
24	93.2188	0.0	210377	96.5
25	781.363	0.4	211159	96.9
30	3959.22	1.8	215118	98.7
35	190.516	0.1	215308	98.8
40	324.293	0.1	215633	98.9
45	531.395	0.2	216164	99.2
48	12.8518	0.0	216177	99.2
50	320.32	0.1	216497	99.3
60	1201.43	0.6	217699	99.9
80	65.5938	0.0	217764	99.9
100	52.3984	0.0	217817	99.9
120	153.02	0.1	217970	100.0

NON-PHYSICIAN TIME SPENT ASSISTING EKG

EQU538R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	1236.42	0.6	1236.42	0.6
DONT KNOW	5007.24	2.3	6243.66	2.9
MISSING	1247.57	0.6	7491.23	3.4
OUT OF RANGE	338.586	0.2	7829.81	3.6
REFUSAL	253.02	0.1	8082.83	3.7
VALID SKIP	143796	66.0	151878	69.7
0	4871.32	2.2	156750	71.9
1	78.2305	0.0	156828	71.9
2	427.98	0.2	157256	72.1
3	578.641	0.3	157835	72.4
4	384.504	0.2	158219	72.6
5	5591.2	2.6	163810	75.2
6	662.601	0.3	164473	75.5
7	788.738	0.4	165262	75.8
8	728.988	0.3	165991	76.2
9	107.988	0.0	166099	76.2
10	16750.7	7.7	182849	83.9
12	356.61	0.2	183206	84.1
13	297.734	0.1	183504	84.2
15	16094.5	7.4	199598	91.6
18	355.496	0.2	199954	91.7
20	8421.67	3.9	208375	95.6
23	53.5859	0.0	208429	95.6
24	328.992	0.2	208758	95.8
25	1432.07	0.7	210190	96.4
26	37.3086	0.0	210227	96.4
27	53.3047	0.0	210281	96.5
30	5040.85	2.3	215321	98.8
35	49.5234	0.0	215371	98.8
36	79.7305	0.0	215451	98.8
40	307.199	0.1	215758	99.0
45	275.691	0.1	216034	99.1
48	185.379	0.1	216219	99.2
50	78.2305	0.0	216297	99.2
60	840.215	0.4	217137	99.6
70	71.1172	0.0	217208	99.7
75	86.4922	0.0	217295	99.7
90	48.8674	0.0	217344	99.7
100	128.547	0.1	217472	99.8
120	315.461	0.1	217788	99.9
150	67.1758	0.0	217855	99.9
180	77.3438	0.0	217932	100.0
200	37.3086	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

R OWNS/LEASES/RENTS/ULTRASOUND EQUIPMENT

EQU44C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	281.473	0.1	281.473	0.1
MAIL QUEST.	752.812	0.3	1034.28	0.5
MISSING	703.82	0.3	1738.1	0.8
NO	181518	83.3	183256	84.1
YES	34713.8	15.9	217970	100.0

R HAS INVSTMENT IN DIAG ULTRASOUND EQUIP

EQU44AC	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	673.34	0.3	673.34	0.3
MAIL QUEST.	752.812	0.3	1426.15	0.7
MISSING	3088.41	1.4	4514.56	2.1
NO	209821	96.3	214335	98.3
YES	3634.43	1.7	217970	100.0

ULTRASOUND EQUIPMENT PURCHASED

EQU45C1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	912.098	0.4	912.098	0.4
MISSING	658.172	0.3	1570.27	0.7
VALID SKIP	183256	84.1	184826	84.8
NO	6460.84	3.0	191287	87.8
YES	26682.7	12.2	217970	100.0

ULTRASOUND EQUIPMENT LEASED

EQU45C2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	796.875	0.4	796.875	0.4
MISSING	658.172	0.3	1455.05	0.7
VALID SKIP	183256	84.1	184711	84.7
NO	26345.8	12.1	211057	96.8
YES	6912.89	3.2	217970	100.0

ULTRASOUND EQUIPMENT RENTED

EQU45C3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	796.875	0.4	796.875	0.4
MISSING	658.172	0.3	1455.05	0.7
VALID SKIP	183256	84.1	184711	84.7
NO	32740	15.0	217451	99.8
YES	518.758	0.2	217970	100.0

R HAS A MODE ULTRASOUND EQUIPMENT

EQU46A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3566.22	1.6	3566.22	1.6
MISSING	3525.94	1.6	7092.16	3.3
VALID SKIP	183256	84.1	190348	87.3
NO	18897.4	8.7	209246	96.0
YES	8724.18	4.0	217970	100.0



\*\*\* WEIGHTED \*\*\*

R HAS B SCAN ULTRASOUND EQUIPMENT

EQU46B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3677.39	1.7	3677.39	1.7
MISSING	3525.94	1.6	7203.33	3.3
VALID SKIP	183256	84.1	190459	87.4
NO	20921.8	9.6	211381	97.0
YES	6588.61	3.0	217970	100.0

R HAS M MODE ULTRASOUND EQUIPMENT

EQU46M	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3580.99	1.6	3580.99	1.6
MISSING	3525.94	1.6	7106.93	3.3
VALID SKIP	183256	84.1	190363	87.3
NO	19051.7	8.7	209415	96.1
YES	8555.16	3.9	217970	100.0

R HAS REAL TIME SCAN ULTRASOUND EQUIPMNT

EQU46R	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3580.99	1.6	3580.99	1.6
MISSING	3525.94	1.6	7106.93	3.3
VALID SKIP	183256	84.1	190363	87.3
NO	9371.92	4.3	199735	91.6
YES	18234.9	8.4	217970	100.0

TOTAL COST OF ULTRASOUND EQUIPMENT

EQU47C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	793.004	0.4	793.004	0.4
DONT KNOW	7390.62	3.4	8183.62	3.8
MISSING	1516.51	0.7	9700.13	4.5
REFUSAL	408.004	0.2	10108.1	4.6
VALID SKIP	183256	84.1	193364	88.7
NONE	31.6914	0.0	193396	88.7
VALID VALUES	24574	11.3	217970	100.0

ULTRASOUND EQUIPMENT COSTS SHARED

EQU48C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1439.23	0.7	1439.23	0.7
MISSING	1842.13	0.8	3281.37	1.5
VALID SKIP	183256	84.1	186537	85.6
NO	29468.7	13.5	216006	99.1
YES	1963.73	0.9	217970	100.0

R SHARE OF ULTRASOUND EQUIPMENT COSTS

EQU49C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	77.6641	0.0	77.6641	0.0
MISSING	62.5078	0.0	140.172	0.1
VALID SKIP	216006	99.1	216146	99.2
3	266.59	0.1	216413	99.3
9	31.6797	0.0	216444	99.3
16	53.5859	0.0	216498	99.3
20	97.5352	0.0	216596	99.4
25	143.285	0.1	216739	99.4
33	32.7852	0.0	216772	99.5
38	38.6406	0.0	216810	99.5
40	65.0547	0.0	216875	99.5
43	89.7383	0.0	216965	99.5
50	906.469	0.4	217872	100.0
55	98.1914	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

MAINTENANCE COST FOR ULTRASOUND EQUIPMNT

EQU50C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1718.46	0.8	1718.46	0.8
DONT KNOW	7111.12	3.3	8829.58	4.1
MISSING	1644.16	0.8	10473.7	4.8
REFUSAL	246.703	0.1	10720.4	4.9
VALID SKIP	183153	84.0	193873	88.9
NO MAINT. COST	8368	3.8	202241	92.8
VALID VALUES	15728.6	7.2	217970	100.0

# TESTS PERFORMD USING ULTRASOUND EQUIP.

EQU51C	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	3801	1.7	3801	1.7
MISSING	1059.49	0.5	4860.49	2.2
OUT OF RANGE	386.883	0.2	5247.37	2.4
REFUSAL	274.102	0.1	5521.47	2.5
VALID SKIP	183256	84.1	188777	86.6
NONE	1880.89	0.9	190658	87.5
VALID VALUES	27311.4	12.5	217970	100.0

PHYSICIAN TIME INVOLVED IN ULTRASOUND

EQU52CR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	727	0.3	727	0.3
DONT KNOW	3816.52	1.8	4543.52	2.1
MISSING	1230.74	0.6	5774.26	2.6
OUT OF RANGE	324.516	0.1	6098.78	2.8
REFUSAL	335.367	0.2	6434.14	3.0
VALID SKIP	183256	84.1	189690	87.0
0	1312.57	0.6	191003	87.6
1	204.32	0.1	191207	87.7
2	426.488	0.2	191633	87.9
3	241.035	0.1	191874	88.0
4	128.848	0.1	192003	88.1
5	2286.77	1.0	194290	89.1
6	29.1836	0.0	194319	89.1
7	51.168	0.0	194370	89.2
8	306.203	0.1	194677	89.3
9	73.7771	0.0	194750	89.3
10	4195.62	1.9	198946	91.3
12	79.1602	0.0	199025	91.3
13	57.4688	0.0	199083	91.3
15	4368.21	2.0	203451	93.3
16	28	0.0	203479	93.4
17	147.207	0.1	203626	93.4
18	13.4927	0.0	203640	93.4
20	3636.6	1.7	207276	95.1
22	71.0156	0.0	207347	95.1
23	184.574	0.1	207532	95.2
24	18.0781	0.0	207550	95.2
25	674.203	0.3	208224	95.5
30	5967.09	2.7	214191	98.3
35	140.121	0.1	214331	98.3
36	166.301	0.1	214498	98.4
40	524.454	0.2	215022	98.6
42	65.5938	0.0	215088	98.7
45	559.308	0.3	215647	98.9
50	30.9688	0.0	215678	98.9
60	1593.96	0.7	217272	99.7
90	205.395	0.1	217477	99.8
100	110.488	0.1	217588	99.8
120	282.555	0.1	217870	100.0
153	99.3984	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

NON-PHYSICIAN TIME ASSISTING ULTRASOUND

EQU53CR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OIONT PERFORM	727	0.3	727	0.3
OONT KNOW	4068.74	1.9	4795.74	2.2
MISSING	1315.86	0.6	6111.6	2.8
OUT OF RANGE	182.711	0.1	6294.31	2.9
REFUSAL	335.367	0.2	6629.68	3.0
VALID SKIP	183256	84.1	189886	87.1
0	4414.07	2.0	194300	89.1
1	41.9858	0.0	194342	89.2
2	177.328	0.1	194519	89.2
3	143.508	0.1	194662	89.3
4	136.844	0.1	194799	89.4
5	1057.45	0.5	195857	89.9
6	136.074	0.1	195993	89.9
8	203.57	0.1	196196	90.0
10	1979.3	0.9	198176	90.9
13	43.3086	0.0	198219	90.9
15	3781.89	1.7	202001	92.7
16	28	0.0	202029	92.7
17	27.332	0.0	202056	92.7
18	149.332	0.1	202206	92.8
20	3013.36	1.4	205219	94.2
23	111.461	0.1	205330	94.2
24	18.0781	0.0	205348	94.2
25	623.902	0.3	205972	94.5
30	5921.88	2.7	211894	97.2
35	321.57	0.1	212216	97.4
36	90.9844	0.0	212307	97.4
40	662.129	0.3	212969	97.7
42	89.7383	0.0	213059	97.7
45	1966.89	0.9	215026	98.6
48	92.0352	0.0	215118	98.7
50	13.9639	0.0	215132	98.7
52	82.1094	0.0	215214	98.7
53	71.1172	0.0	215285	98.8
60	2030.1	0.9	217315	99.7
75	57.1055	0.0	217372	99.7
90	181.008	0.1	217553	99.8
100	89.7383	0.0	217643	99.9
120	191.652	0.1	217834	99.9
139	53.3047	0.0	217888	100.0
180	81.9844	0.0	217970	100.0

R OWNS/LEASES/RENTS ENOOSCOPY EQUIPMNT

EQU44D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	17.5586	0.0	17.5586	0.0
MAIL QUEST.	253.063	0.1	270.621	0.1
MISSING	820.965	0.4	1091.59	0.5
VALIO SKIP	143256	65.7	144347	66.2
NO	67984.2	31.2	212332	97.4
YES	5638.01	2.6	217970	100.0

R HAS INVESTMENT IN ENDOSCOPY EQUIPMENT

EQU44A0	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	49.4492	0.0	49.4492	0.0
MAIL QUEST.	253.063	0.1	302.512	0.1
MISSING	2148.7	1.0	2451.21	1.1
VALID SKIP	143256	65.7	145707	66.8
NO	71303.7	32.7	217011	99.6
YES	958.887	0.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

R ENDOSCOPY EQUIPMENT PURCHASED

EQU45D1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	162.301	0.1	162.301	0.1
MISSING	170.816	0.1	333.117	0.2
VALID SKIP	212332	97.4	212665	97.6
NO	710.49	0.3	213375	97.9
YES	4594.4	2.1	217970	100.0

UPPER GI ENOOSCOPY EQUIPMENT LEASED

EQU45D2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	162.301	0.1	162.301	0.1
MISSING	170.816	0.1	333.117	0.2
VALID SKIP	212332	97.4	212665	97.6
NO	4716	2.2	217381	99.7
YES	588.888	0.3	217970	100.0

UPPER GI ENDOSCOPY EQUIPMENT RENTED

EQU45D3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	162.301	0.1	162.301	0.1
MISSING	170.816	0.1	333.117	0.2
VALID SKIP	212332	97.4	212665	97.6
NO	5008.69	2.3	217673	99.9
YES	296.203	0.1	217970	100.0

TOTAL COST OF ENDOSCOPY EQUIPMENT

EQU470	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	207.122	0.1	207.122	0.1
DONT KNOW	1957.59	0.9	2164.71	1.0
MISSING	206.582	0.1	2371.29	1.1
REFUSAL	47.4961	0.0	2418.79	1.1
VALID SKIP	212332	97.4	214750	98.5
VALIO VALUES	3219.22	1.5	217970	100.0

ENDOSCOPY EQUIPMENT COSTS SHARED

EQU480	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	227.977	0.1	227.977	0.1
MISSING	384.816	0.2	612.793	0.3
VALIO SKIP	212332	97.4	212944	97.7
NO	4732.04	2.2	217677	99.9
YES	293.18	0.1	217970	100.0

R SHARE OF ENOOSCOPY EQUIPMENT COSTS

EQU490	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	15.5	0.0	15.5	0.0
VALIO SKIP	217677	99.9	217692	99.9
3	157.313	0.1	217849	99.9
25	51.168	0.0	217900	100.0
50	37.3086	0.0	217938	100.0
99	31.8906	0.0	217970	100.0



\*\*\* WEIGHTED \*\*\*

MAINTENANCE COST FOR ENDOSCOPY EQUIPMENT

EQU50D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	333.497	0.2	333.497	0.2
DONT KNOW	1760.5	0.8	2094	1.0
MISSING	401.469	0.2	2495.47	1.1
VALID SKIP	212332	97.4	214827	98.6
NO MAINT. COST	1232.12	0.6	216059	99.1
VALID VALUES	1910.42	0.9	217970	100.0

# OF TESTS PERFORMD USING ENDOSCOPY EQP

EQU51D	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1245.61	0.6	1245.61	0.6
MISSING	149.366	0.1	1394.98	0.6
OUT OF RANGE	130.93	0.1	1525.91	0.7
REFUSAL	77.3438	0.0	1603.25	0.7
VALID SKIP	212332	97.4	213935	98.1
NONE	559.695	0.3	214495	98.4
VALID VALUES	3475.06	1.6	217970	100.0

PHYSICIAN TIME INVOLVED IN ENDOSCOPY

EQU52DR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	411.762	0.2	411.762	0.2
DONT KNOW	807.505	0.4	1219.27	0.6
MISSING	149.366	0.1	1368.63	0.6
REFUSAL	77.3438	0.0	1445.98	0.7
VALID SKIP	212332	97.4	213778	98.1
0	190.961	0.1	213969	98.2
1	96.1094	0.0	214065	98.2
5	95.2617	0.0	214160	98.3
10	116.902	0.1	214277	98.3
15	269.216	0.1	214546	98.4
18	22.0586	0.0	214568	98.4
20	486.066	0.2	215054	98.7
24	24.1445	0.0	215078	98.7
25	49.4844	0.0	215128	98.7
30	1238.53	0.6	216366	99.3
35	29.332	0.0	216396	99.3
40	150.797	0.1	216547	99.3
45	390.871	0.2	216937	99.5
60	718.922	0.3	217656	99.9
86	73.3516	0.0	217730	99.9
90	136.754	0.1	217866	100.0
120	103.27	0.0	217970	100.0

NON-PHYSICIAN TIME ASSISTING ENDOSCOPY

EQU53DR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	411.762	0.2	411.762	0.2
DONT KNOW	884.849	0.4	1296.61	0.6
MISSING	149.366	0.1	1445.98	0.7
REFUSAL	77.3438	0.0	1523.32	0.7
VALID SKIP	212332	97.4	213855	98.1
0	316.402	0.1	214171	98.3
5	120.254	0.1	214292	98.3
6	24.1445	0.0	214316	98.3
10	89.6328	0.0	214405	98.4
12	22.0586	0.0	214427	98.4
15	316.984	0.1	214744	98.5
20	284.883	0.1	215029	98.7
25	15.5	0.0	215045	98.7
30	553.31	0.3	215598	98.9
40	237.496	0.1	215836	99.0
43	73.3516	0.0	215909	99.1
45	388.945	0.2	216298	99.2

\*\*\* WEIGHTED \*\*\*

NON-PHYSICIAN TIME ASSISTING ENDOSCOPY

EQU53DR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
50	22.0586	0.0	216320	99.2
60	1040.88	0.5	217361	99.7
70	31.1719	0.0	217392	99.7
75	61.9453	0.0	217454	99.8
90	266.586	0.1	217721	99.9
120	249.09	0.1	217970	100.0

R OWNS/LEASES/RENT SIGMOIDOSCOPY EQPMNT

EQU44E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	17.5586	0.0	17.5586	0.0
MAIL QUEST.	253.063	0.1	270.621	0.1
MISSING	820.965	0.4	1091.59	0.5
VALID SKIP	143160	65.7	144251	66.2
NO	47844.7	22.0	192096	88.1
YES	25873.7	11.9	217970	100.0

R HAS INVESTMENT IN SIGMOIDOSCOPY EQUIP

EQU44AE	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	49.4492	0.0	49.4492	0.0
MAIL QUEST.	253.063	0.1	302.512	0.1
MISSING	2108.05	1.0	2410.57	1.1
VALID SKIP	143160	65.7	145570	66.8
NO	71145.1	32.6	216715	99.4
YES	1254.29	0.6	217970	100.0

FLEXIBLE SIGMOIDOSCOPY EQPMNT PURCHASED

EQU45E1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	424.902	0.2	424.902	0.2
MISSING	518.824	0.2	943.727	0.4
VALID SKIP	192096	88.1	193040	88.6
NO	1925.74	0.9	194965	89.4
YES	23004.2	10.6	217970	100.0

FLEXIBLE SIGMOIDOSCOPY EQUIPMENT LEASED

EQU45E2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	460.918	0.2	460.918	0.2
MISSING	518.824	0.2	979.742	0.4
VALID SKIP	192096	88.1	193076	88.6
NO	23333	10.7	216409	99.3
YES	1560.95	0.7	217970	100.0

FLEXIBLE SIGMOIDOSCOPY EQUIPMENT RENTED

EQU45E3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	460.918	0.2	460.918	0.2
MISSING	518.824	0.2	979.742	0.4
VALID SKIP	192096	88.1	193076	88.6
NO	24573.1	11.3	217649	99.9
YES	320.797	0.1	217970	100.0

\*\*\* WEIGHTED \*\*\*

TOTAL COST OF SIGMOIDOSCOPY EQUIPMENT

EQU47E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	763.849	0.4	763.849	0.4
DONT KNOW	6711.29	3.1	7475.14	3.4
MISSING	655.734	0.3	8130.87	3.7
REFUSAL	47.4961	0.0	8178.37	3.8
VALID SKIP	192096	88.1	200274	91.9
NONE	123.652	0.1	200398	91.9
VALID VALUES	17571.7	8.1	217970	100.0

SIGMOIDOSCOPY EQUIPMENT COSTS SHARED

EQU48E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	775.659	0.4	775.659	0.4
MISSING	1089.92	0.5	1865.58	0.9
VALID SKIP	192096	88.1	193962	89.0
NO	22678.2	10.4	216640	99.4
YES	1329.9	0.6	217970	100.0

R SHARE OF SIGMOIDOSCOPY EQUIP COSTS

EQU49E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	140.789	0.1	140.789	0.1
VALID SKIP	216640	99.4	216781	99.5
20	105.102	0.0	216886	99.5
25	262.066	0.1	217148	99.6
33	288.676	0.1	217436	99.8
50	533.27	0.2	217970	100.0

MAINTENANCE COST FOR SIGMOIDOSCOPY EQUIP

EQU50E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	870.025	0.4	870.025	0.4
DONT KNOW	4373.67	2.0	5243.7	2.4
MISSING	995.555	0.5	6239.25	2.9
REFUSAL	100.738	0.0	6339.99	2.9
VALID SKIP	192096	88.1	198436	91.0
NO MAINT. COST	9497.98	4.4	207934	95.4
VALID VALUES	10035.7	4.6	217970	100.0

# TESTS DONE USING SIGMOIDOSCOPY EQPMNT

EQU51E	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	2564.04	1.2	2564.04	1.2
MISSING	256.477	0.1	2820.52	1.3
OUT OF RANGE	311.602	0.1	3132.12	1.4
REFUSAL	152.09	0.1	3284.21	1.5
VALID SKIP	192096	88.1	195380	89.6
NONE	2146.46	1.0	197527	90.6
VALID VALUES	20443	9.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN SIGMOIDOSCOPY

EQU52ER	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OIDNT PERFORM	348.188	0.2	348.188	0.2
OONT KNOW	2025.08	0.9	2373.26	1.1
MISSING	520.964	0.2	2894.23	1.3
REFUSAL	152.09	0.1	3046.32	1.4
VALID SKIP	192096	88.1	195142	89.5
0	309.145	0.1	195451	89.7
5	55.9258	0.0	195507	89.7
6	78.2305	0.0	195586	89.7
10	853.891	0.4	196440	90.1
12	30.2461	0.0	196470	90.1
15	2172.99	1.0	198643	91.1
18	155.395	0.1	198798	91.2
19	123.652	0.1	198922	91.3
20	4064.05	1.9	202986	93.1
23	201.418	0.1	203187	93.2
24	94.8438	0.0	203282	93.3
25	602.34	0.3	203884	93.5
30	8630.72	4.0	212515	97.5
35	126.238	0.1	212641	97.6
38	252.125	0.1	212894	97.7
40	823.766	0.4	213717	98.0
45	2152.59	1.0	215870	99.0
50	119.992	0.1	215990	99.1
60	1662.43	0.8	217652	99.9
65	62.3828	0.0	217715	99.9
75	31.8906	0.0	217747	99.9
90	98.7148	0.0	217845	99.9
120	31.1719	0.0	217876	100.0
150	93.2188	0.0	217970	100.0

NON-PHYS TIME ASSISTING SIGMOIDOSCOPY

EQU53ER	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	348.188	0.2	348.188	0.2
DONT KNOW	1906.78	0.9	2254.97	1.0
MISSING	657.815	0.3	2912.78	1.3
OUT OF RANGE	56.7148	0.0	2969.5	1.4
REFUSAL	152.09	0.1	3121.59	1.4
VALID SKIP	192096	88.1	195218	89.6
0	1677.45	0.8	196895	90.3
1	30.2461	0.0	196925	90.3
3	92.7734	0.0	197018	90.4
5	148.078	0.1	197166	90.5
6	86.0898	0.0	197252	90.5
9	30.2461	0.0	197282	90.5
10	1173.57	0.5	198456	91.0
15	1854.78	0.9	200311	91.9
16	73.3516	0.0	200384	91.9
18	29.332	0.0	200414	91.9
20	2592.09	1.2	203006	93.1
23	50.543	0.0	203056	93.2
25	515.852	0.2	203572	93.4
30	6243.26	2.9	209815	96.3
35	32.9141	0.0	209848	96.3
36	94.8438	0.0	209943	96.3
38	219.293	0.1	210162	96.4
40	896.934	0.4	211059	96.8
45	2321.35	1.1	213381	97.9
48	50.543	0.0	213431	97.9
50	207.199	0.1	213638	98.0
53	116.551	0.1	213755	98.1
60	3078.03	1.4	216833	99.5
65	86.4922	0.0	216919	99.5
75	167.719	0.1	217087	99.6
80	103.27	0.0	217190	99.6
85	24.1445	0.0	217215	99.7
90	575.305	0.3	217790	99.9
120	106.484	0.0	217896	100.0
135	73.3516	0.0	217970	100.0



\*\*\* WEIGHTED \*\*\*

R OWNS/LEASES/RENTS/ COLONOSCOPY EQPMNT

EQU44F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	17.5586	0.0	17.5586	0.0
MAIL QUEST.	253.063	0.1	270.621	0.1
MISSING	852.855	0.4	1123.48	0.5
VALID SKIP	143256	65.7	144379	66.2
NO	66713.4	30.6	211093	96.8
YES	6876.95	3.2	217970	100.0

R HAS INVESTMENT IN COLONOSCOPY EQPMNT

EQU44AF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	49.4492	0.0	49.4492	0.0
MAIL QUEST.	253.063	0.1	302.512	0.1
MISSING	2020.92	0.9	2323.43	1.1
VALID SKIP	143256	65.7	145579	66.8
NO	71845.5	33.0	217425	99.7
YES	544.926	0.3	217970	100.0

COLONOSCOPY EQUIPMENT PURCHASED

EQU45F1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	208.332	0.1	208.332	0.1
MISSING	170.816	0.1	379.148	0.2
VALID SKIP	211093	96.8	211472	97.0
NO	852.414	0.4	212324	97.4
YES	5645.39	2.6	217970	100.0

COLONOSCOPY EQUIPMENT LEASED

EQU45F2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	208.332	0.1	208.332	0.1
MISSING	170.816	0.1	379.148	0.2
VALID SKIP	211093	96.8	211472	97.0
NO	6065.53	2.8	217537	99.8
YES	432.273	0.2	217970	100.0

COLONOSCOPY EQUIPMENT RENTED

EQU45F3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	208.332	0.1	208.332	0.1
MISSING	170.816	0.1	379.148	0.2
VALID SKIP	211093	96.8	211472	97.0
NO	6155.24	2.8	217627	99.8
YES	342.559	0.2	217970	100.0

TOTAL COST OF COLONOSCOPY EQUIPMENT

EQU47F	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	627.191	0.3	627.191	0.3
DONT KNOW	2678.29	1.2	3305.48	1.5
MISSING	493.426	0.2	3798.91	1.7
REFUSAL	47.4961	0.0	3846.4	1.8
VALID SKIP	211093	96.8	214939	98.6
NONE	78.0547	0.0	215017	98.6
VALID VALUES	2952.49	1.4	217970	100.0

\*\*\* WEIGHTED \*\*\*

R OWNS/LEASES/RENTS ECG EQUIPMENT

EQU44H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	123.652	0.1	123.652	0.1
MAIL QUEST.	253.063	0.1	376.715	0.2
MISSING	2175.25	1.0	2551.97	1.2
VALID SKIP	159772	73.3	162324	74.5
NO	40430.6	18.5	202755	93.0
YES	15215	7.0	217970	100.0

R HAS INVSTMNT IN ECG MONITOR EQUIPMENT

EQU44AH	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	123.652	0.1	123.652	0.1
MAIL QUEST.	253.063	0.1	376.715	0.2
MISSING	3256.91	1.5	3633.63	1.7
VALID SKIP	159772	73.3	163406	75.0
NO	53275.6	24.4	216681	99.4
YES	1288.31	0.6	217970	100.0

ELECTROCARDIOGRAPHIC EQPMNT PURCHASED

EQU45H1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	335.582	0.2	335.582	0.2
MISSING	273.473	0.1	609.055	0.3
VALID SKIP	202755	93.0	203364	93.3
NO	4618.34	2.1	207982	95.4
YES	9987.59	4.6	217970	100.0

ELECTROCARDIOGRAPHIC EQUIPMENT LEASED

EQU45H2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	335.582	0.2	335.582	0.2
MISSING	273.473	0.1	609.055	0.3
VALID SKIP	202755	93.0	203364	93.3
NO	10764.1	4.9	214128	98.2
YES	3841.84	1.8	217970	100.0

ELECTROCARDIOGRAPHIC EQUIPMENT RENTED

EQU45H3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	335.582	0.2	335.582	0.2
MISSING	273.473	0.1	609.055	0.3
VALID SKIP	202755	93.0	203364	93.3
NO	13730.6	6.3	217094	99.6
YES	875.34	0.4	217970	100.0

TOTAL COST OF ECG EQUIPMENT

EQU47H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	724.137	0.3	724.137	0.3
DONT KNOW	4842.2	2.2	5566.34	2.6
MISSING	780.723	0.4	6347.06	2.9
OUT OF RANGE	42.3242	0.0	6389.39	2.9
REFUSAL	100.738	0.0	6490.13	3.0
VALID SKIP	202755	93.0	209245	96.0
NONE	274.707	0.1	209520	96.1
VALID VALUES	8450.15	3.9	217970	100.0

\*\*\* WEIGHTED \*\*\*

ECG EQUIPMENT COSTS SHARED

EQU48H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	601.305	0.3	601.305	0.3
MISSING	868.871	0.4	1470.18	0.7
VALID SKIP	202755	93.0	204225	93.7
NO	12735.8	5.8	216961	99.5
YES	1009.04	0.5	217970	100.0

R SHARE OF ECG EQUIPMENT COSTS

EQU49H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	74.7461	0.0	74.7461	0.0
MISSING	29.5742	0.0	104.32	0.0
VALID SKIP	216961	99.5	217065	99.6
3	157.313	0.1	217222	99.7
16	124.703	0.1	217347	99.7
20	105.102	0.0	217452	99.8
25	77.4453	0.0	217530	99.8
50	440.156	0.2	217970	100.0

MAINTENANCE COSTS FOR ECG EQUIPMENT

EQU50H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	721.313	0.3	721.313	0.3
DONT KNOW	3660.35	1.7	4381.66	2.0
MISSING	710.348	0.3	5092.01	2.3
OUT OF RANGE	42.3242	0.0	5134.33	2.4
VALID SKIP	202755	93.0	207889	95.4
NO MAINT. COST	5574.79	2.6	213464	97.9
VALID VALUES	4505.86	2.1	217970	100.0

# TESTS PERFORMED USING ECG EQUIPMENT

EQU51H	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1642.32	0.8	1642.32	0.8
MISSING	182.129	0.1	1824.45	0.8
OUT OF RANGE	171.449	0.1	1995.9	0.9
REFUSAL	152.09	0.1	2147.99	1.0
VALID SKIP	202755	93.0	204903	94.0
NONE	2491.39	1.1	207394	95.1
VALID VALUES	10575.6	4.9	217970	100.0

PHYSICIAN TIME INVOLVED IN ECG

EQU52HR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	516.969	0.2	516.969	0.2
DONT KNOW	1639.45	0.8	2156.41	1.0
MISSING	282.867	0.1	2439.28	1.1
OUT OF RANGE	42.3242	0.0	2481.61	1.1
REFUSAL	252.828	0.1	2734.43	1.3
VALID SKIP	202755	93.0	205489	94.3
0	475.523	0.2	205965	94.5
5	1608.08	0.7	207573	95.2
10	1308.02	0.6	208881	95.8
12	423.676	0.2	209304	96.0
13	46.7656	0.0	209351	96.0
15	2309.86	1.1	211661	97.1
20	1677.71	0.8	213339	97.9
23	73.3516	0.0	213412	97.9
24	103.27	0.0	213515	98.0
25	264.988	0.1	213780	98.1
30	2063.27	0.9	215844	99.0
35	80.9844	0.0	215925	99.1

\*\*\* WEIGHTED \*\*\*

PHYSICIAN TIME INVOLVED IN ECG

EQU52HR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
40	177.578	0.1	216102	99.1
45	342.406	0.2	216445	99.3
60	1080.67	0.5	217525	99.8
90	92.7734	0.0	217618	99.8
120	259.051	0.1	217877	100.0
180	92.582	0.0	217970	100.0

NON-PHYSICIAN TIME SPENT ASSISTING ECG

EQU53HR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	516.969	0.2	516.969	0.2
DONT KNOW	1521.46	0.7	2038.43	0.9
MISSING	282.867	0.1	2321.3	1.1
OUT OF RANGE	42.3242	0.0	2363.63	1.1
REFUSAL	252.828	0.1	2616.45	1.2
VALID SKIP	202755	93.0	205371	94.2
0	747.859	0.3	206119	94.6
5	498.293	0.2	206617	94.8
10	762.605	0.3	207380	95.1
12	112.215	0.1	207492	95.2
13	71.1172	0.0	207563	95.2
15	1422.98	0.7	208986	95.9
18	308	0.1	209294	96.0
20	1919.3	0.9	211214	96.9
22	46.7656	0.0	211260	96.9
24	103.27	0.0	211364	97.0
25	314.875	0.1	211678	97.1
30	2757.12	1.3	214436	98.4
35	171.59	0.1	214607	98.5
40	103.27	0.0	214710	98.5
45	1392.73	0.6	216103	99.1
48	73.3516	0.0	216177	99.2
50	31.5391	0.0	216208	99.2
55	34.2188	0.0	216242	99.2
60	1280.36	0.6	217523	99.8
75	123.652	0.1	217646	99.9
90	87.5703	0.0	217734	99.9
120	164.73	0.1	217899	100.0
180	71.1172	0.0	217970	100.0

R OWNS/LEASES/RENTS ECG EQUIPMENT

EQU44I	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.0	7	0.0
MISSING	186.492	0.1	193.492	0.1
VALID SKIP	210363	96.5	210556	96.6
NO	3288.69	1.5	213845	98.1
YES	4124.66	1.9	217970	100.0

R HAS ANY INVESTMENTS IN ECG EQUIPMENT

EQU44AI	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.0	7	0.0
MISSING	249.059	0.1	256.059	0.1
VALID SKIP	210363	96.5	210619	96.6
NO	7133.16	3.3	217752	99.9
YES	217.617	0.1	217970	100.0



\*\*\* WEIGHTED \*\*\*

CARDIOLOGISTS ECG EQUIPMENT PURCHASED

EQU4511	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.473	0.1	111.473	0.1
MISSING	74.0938	0.0	185.566	0.1
VALID SKIP	213845	98.1	214031	98.2
NO	550.832	0.3	214581	98.4
YES	3388.26	1.6	217970	100.0

CARDIOLOGISTS - ECG EQUIPMENT LEASED

EQU4512	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.473	0.1	111.473	0.1
MISSING	74.0938	0.0	185.566	0.1
VALID SKIP	213845	98.1	214031	98.2
NO	3430.3	1.6	217461	99.8
YES	508.793	0.2	217970	100.0

CARDIOLOGISTS - ECG EQUIPMENT RENTED

EQU4513	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.473	0.1	111.473	0.1
MISSING	74.0938	0.0	185.566	0.1
VALID SKIP	213845	98.1	214031	98.2
NO	3897.05	1.8	217928	100.0
YES	42.0391	0.0	217970	100.0

TOTAL COST OF ECG EQUIPMENT

EQU471	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	256.117	0.1	256.117	0.1
DONT KNOW	865.156	0.4	1121.27	0.5
MISSING	324.941	0.1	1446.21	0.7
REFUSAL	47.0273	0.0	1493.24	0.7
VALID SKIP	213845	98.1	215338	98.8
VALID VALUES	2631.42	1.2	217970	100.0

ECG EQUIPMENT COSTS SHARED

EQU481	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.473	0.1	111.473	0.1
MISSING	306.668	0.1	418.141	0.2
VALID SKIP	213845	98.1	214263	98.3
NO	3517.22	1.6	217780	99.9
YES	189.297	0.1	217970	100.0

R SHARE OF ECG EQUIPMENT COSTS

EQU491	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	47.0273	0.0	47.0273	0.0
MISSING	8.5	0.0	55.5273	0.0
VALID SKIP	217780	99.9	217836	99.9
50	133.77	0.1	217970	100.0

\*\*\* WEIGHTED \*\*\*

MAINTENANCE COST FOR ECG EQUIPMENT

EQU50I	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	387.715	0.2	387.715	0.2
DONT KNOW	783.535	0.4	1171.25	0.5
MISSING	306.668	0.1	1477.92	0.7
VALID SKIP	213845	98.1	215323	98.8
NO MAINT. COST	785.266	0.4	216108	99.1
VALID VALUES	1861.48	0.9	217970	100.0

#TESTS PERFORMED USING ECG EQUIPMENT

EQU51I	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	181.047	0.1	181.047	0.1
MISSING	261.402	0.1	442.449	0.2
VALID SKIP	213845	98.1	214287	98.3
NONE	91.7305	0.0	214379	98.4
VALID VALUES	3590.48	1.6	217970	100.0

PHYSICIAN TIME INVOLVED IN ECG

EQU52IR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	49.6914	0.0	49.6914	0.0
DONT KNOW	343.832	0.2	393.523	0.2
MISSING	261.402	0.1	654.926	0.3
VALID SKIP	213845	98.1	214500	98.4
0	108.809	0.0	214609	98.5
5	272.711	0.1	214881	98.6
8	60	0.0	214941	98.6
10	385.75	0.2	215327	98.8
12	96.7188	0.0	215424	98.8
15	907.77	0.4	216332	99.2
20	752.926	0.3	217085	99.6
30	328.402	0.2	217413	99.7
40	152.895	0.1	217566	99.8
45	127.375	0.1	217693	99.9
60	223.98	0.1	217917	100.0
120	52.3984	0.0	217970	100.0

NON-PHYSICIAN TIME ASSISTING ECG

EQU53IR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DIDNT PERFORM	49.6914	0.0	49.6914	0.0
DONT KNOW	331.766	0.2	381.457	0.2
MISSING	261.402	0.1	642.859	0.3
VALID SKIP	213845	98.1	214488	98.4
10	449.082	0.2	214937	98.6
15	253.492	0.1	215190	98.7
20	537.637	0.2	215728	99.0
24	49.6914	0.0	215778	99.0
25	259.566	0.1	216037	99.1
30	632.023	0.3	216669	99.4
35	175.48	0.1	216845	99.5
40	94.8945	0.0	216940	99.5
45	325.77	0.1	217266	99.7
60	479.512	0.2	217745	99.9
75	59.6328	0.0	217805	99.9
80	65.5938	0.0	217870	100.0
90	47.0273	0.0	217917	100.0
120	52.3984	0.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

R OWNS/LEASES/RENTS STRESS TEST EQUIP

EQU44J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.0	7	0.0
MISSING	252.086	0.1	259.086	0.1
VALID SKIP	210363	96.5	210622	96.6
NO	2999.62	1.4	213622	98.0
YES	4348.13	2.0	217970	100.0

R HAS INVESTMENT STRESS TEST EQUIPMENT

EQU44AJ	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	7	0.0	7	0.0
MISSING	367.934	0.2	374.934	0.2
VALID SKIP	210363	96.5	210738	96.7
NO	6616.7	3.0	217354	99.7
YES	615.207	0.3	217970	100.0

CAROVASCULAR EQUIPMENT PURCHASED

EQU45J1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	165.539	0.1	165.539	0.1
MISSING	74.0938	0.0	239.633	0.1
VALID SKIP	213622	98.0	213861	98.1
NO	484.41	0.2	214346	98.3
YES	3624.09	1.7	217970	100.0

CAROVASCULAR EQUIPMENT LEASED

EQU45J2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.473	0.1	111.473	0.1
MISSING	74.0938	0.0	185.566	0.1
VALID SKIP	213622	98.0	213807	98.1
NO	3512.68	1.6	217320	99.7
YES	649.883	0.3	217970	100.0

CARDIOVASCULAR EQUIPMENT RENTED

EQU45J3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	111.473	0.1	111.473	0.1
MISSING	74.0938	0.0	185.566	0.1
VALID SKIP	213622	98.0	213807	98.1
NO	4112.94	1.9	217920	100.0
YES	49.625	0.0	217970	100.0

TOTAL COST OF STRESS TEST EQUIPMENT

EQU47J	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	352.301	0.2	352.301	0.2
DONT KNOW	967.148	0.4	1319.45	0.6
MISSING	458.859	0.2	1778.31	0.8
REFUSAL	47.0273	0.0	1825.34	0.8
VALID SKIP	213622	98.0	215447	98.8
NONE	65.5938	0.0	215512	98.9
VALID VALUES	2457.2	1.1	217970	100.0

EQU50A LAB59A EQU50B LAB59B EQU50C LAB59C  
EQU50D LAB59D EQU50E EQU50F EQU50G EQU50H EQU50I  
EQU50J EQU50K EQU50L EQU50M EQU50N F0VV.

ID \$FID.

WTVAR CELL INC30 INTSTART INTDATE  
EQU47A EQU51A LAB56A LAB60A EQU47B EQU51B LAB56B LAB60B  
EQU47C EQU51C LAB56C LAB60C EQU47D EQU51D LAB56D LAB60D  
EQU47E EQU51E EQU47F EQU51F EQU47G EQU51G EQU47H EQU51H  
EQU47I EQU51I EQU47J EQU51J EQU47K EQU51K EQU47L EQU51L  
EQU47M EQU51M EQU47N EQU51N COS16 COS16A COS16B COS17  
COS17A COS17B COS18 COS18A COS18B COS19A COS19B COS19D  
COS19E COS21 COS22 COS23 COS24 COS25 COS26 INC29A  
INC29C INC30A MAL31 MAL33A Q35VERB Q36VERB MAL35R MAL36R  
MAL32 PRD9A PRD9B PRD10A PRD10B PRD10C PRD10D PRD10E  
PRD11A PRD11B PRD11C PRD11D SIZ12A--SIZ15H2 AGE  
MED38A--MED38F MED38G MED38H MED40B--MED42 F1VV.

COS19 FC19X.

COS19C FC19C.

COS19F FC19F.

COS20 FC20X.

INC29B INC29R FI29B.

MAL34 FM34X.

MAL34A FM34A.

MAL35 FM35X.

MAL36 FM36X.

MAL37A FM37A.

MEDBX21B FBX21B.

MEDBX21C FBX21C.

DEM43 FDEM.

INT69 FI69X.

INT69A FI69A.

INT69B FI69B.

AGE\_R FAGER.

SEX FSEX.

FMG FFMG.

BOARD1 BOARD2 FBRD.

SOLO FSOLO.

MEDICARE FCARE.

MEDICAID FCAID.

MULTSPEC FMS.;





\*\*\* WEIGHTED \*\*\*

HEMATOLOGY EQUIPMENT RENTED

LAB55B3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	909.219	0.4	909.219	0.4
MISSING	1095.59	0.5	2004.81	0.9
REFUSAL	74.3359	0.0	2079.14	1.0
VALID SKIP	167688	76.9	169767	77.9
NO	47756.8	21.9	217524	99.8
YES	445.703	0.2	217970	100.0

TOTAL COST OF HEMATOLOGY EQUIPMENT

LAB56B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	2443.51	1.1	2443.51	1.1
DONT KNOW	13149.5	6.0	15593	7.2
MISSING	2176.18	1.0	17769.2	8.2
REFUSAL	388.898	0.2	18158.1	8.3
UNCODEABLE	139.91	0.1	18298	8.4
VALID SKIP	167688	76.9	185986	85.3
NONE	1409.14	0.6	187395	86.0
VALID VALUES	30574.5	14.0	217970	100.0

HEMATOLOGY EQUIPMENT COSTS SHARED

LAB57B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1953.84	0.9	1953.84	0.9
MISSING	3131.73	1.4	5085.57	2.3
REFUSAL	74.3359	0.0	5159.91	2.4
VALID SKIP	167688	76.9	172848	79.3
NO	43028.3	19.7	215876	99.0
YES	2093.46	1.0	217970	100.0

R SHARE OF HEMATOLOGY EQUIPMENT COST

LAB58B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	136.379	0.1	136.379	0.1
MISSING	127.832	0.1	264.211	0.1
VALID SKIP	215876	99.0	216140	99.2
4	32	0.0	216172	99.2
10	71.1172	0.0	216244	99.2
25	457.41	0.2	216701	99.4
33	314.77	0.1	217016	99.6
35	77.3438	0.0	217093	99.6
40	74.7461	0.0	217168	99.6
45	29.75	0.0	217198	99.6
50	679.344	0.3	217877	100.0
94	92.7734	0.0	217970	100.0

HEMATOLOGY EQUIPMENT MAINTENANCE COSTS

LAB59B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1779	0.8	1779	0.8
DONT KNOW	8838.77	4.1	10617.8	4.9
MISSING	3253.08	1.5	13870.8	6.4
OUT OF RANGE	65.5938	0.0	13936.4	6.4
REFUSAL	276.195	0.1	14212.6	6.5
UNCODEABLE	207.23	0.1	14419.9	6.6
VALID SKIP	167688	76.9	182108	83.5
NO MAINT. COST	17264.9	7.9	199373	91.5
VALID VALUES	18596.9	8.5	217970	100.0

\*\*\* WEIGHTED \*\*\*

# OF HEMATOLOGY TEST PERFORMEO

LAB60B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	5488.97	2.5	5488.97	2.5
MISSING	2073.89	1.0	7562.86	3.5
REFUSAL	121.68	0.1	7684.54	3.5
UNCOOEABLE	39.1719	0.0	7723.71	3.5
VALIO SKIP	167626	76.9	175350	80.4
NONE	2228.93	1.0	177579	81.5
VALIO VALUES	40390.7	18.5	217970	100.0

HEMATOCRIT TESTS PERFORMEO

LAB61B1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	857.926	0.4	857.926	0.4
MISSING	1054.64	0.5	1912.56	0.9
REFUSAL	20.75	0.0	1933.31	0.9
VALIO SKIP	167688	76.9	169621	77.8
NO	7110.67	3.3	176732	81.1
YES	41237.6	18.9	217970	100.0

HEMOGLOBIN TESTS PERFORMED

LAB61B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	851.462	0.4	851.462	0.4
MISSING	961.704	0.4	1813.17	0.8
REFUSAL	20.75	0.0	1833.92	0.8
VALIO SKIP	167688	76.9	169522	77.8
NO	9064.28	4.2	178586	81.9
YES	39383.4	18.1	217970	100.0

PROTHROMBIN TIME TESTS PERFORMEO

LAB61B3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	966.49	0.4	966.49	0.4
MISSING	1278.19	0.6	2244.68	1.0
REFUSAL	20.75	0.0	2265.43	1.0
VALIO SKIP	167688	76.9	169953	78.0
NO	31356.1	14.4	201310	92.4
YES	16660.1	7.6	217970	100.0

COMPLETE BLOOD COUNTS PERFORMEO

LAB61B4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	851.462	0.4	851.462	0.4
MISSING	1164.95	0.5	2016.42	0.9
REFUSAL	20.75	0.0	2037.17	0.9
VALIO SKIP	167688	76.9	169725	77.9
NO	14818.2	6.8	184543	84.7
YES	33426.2	15.3	217970	100.0

SEOIMENTATION TESTS PERFORMEO

LAB61B5	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
OONT KNOW	851.462	0.4	851.462	0.4
MISSING	1184.54	0.5	2036.01	0.9
REFUSAL	20.75	0.0	2056.76	0.9
VALIO SKIP	167688	76.9	169745	77.9
NO	23890.8	11.0	193636	88.8
YES	24334	11.2	217970	100.0

\*\*\* WEIGHTED \*\*\*

R HAS INVESTMENT IN NUCLEAR SCAN EQUIP

EQU44AN	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	42.0703	0.0	42.0703	0.0
MISSING	741.387	0.3	783.457	0.4
REFUSAL	79.1602	0.0	862.617	0.4
VALID SKIP	205691	94.4	206554	94.8
NO	11317.4	5.2	217871	100.0
YES	98.6992	0.0	217970	100.0

NUCLEAR SCAN EQUIPMENT PURCHASED

EQU45N1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	82.0859	0.0	82.0859	0.0
VALID SKIP	217168	99.6	217250	99.7
NO	203.074	0.1	217454	99.8
YES	516.191	0.2	217970	100.0

NUCLEAR SCAN EQUIPMENT LEASED

EQU45N2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	76.5469	0.0	76.5469	0.0
MISSING	82.0859	0.0	158.633	0.1
VALID SKIP	217168	99.6	217327	99.7
NO	439.645	0.2	217767	99.9
YES	203.074	0.1	217970	100.0

NUCLEAR SCAN EQUIPMENT RENTED

EQU45N3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	76.5469	0.0	76.5469	0.0
MISSING	82.0859	0.0	158.633	0.1
VALID SKIP	217168	99.6	217327	99.7
NO	642.719	0.3	217970	100.0

TOTAL COST OF NUCLEAR SCAN EQUIPMENT

EQU47N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	418.191	0.2	418.191	0.2
MISSING	82.0859	0.0	500.277	0.2
VALID SKIP	217168	99.6	217669	99.9
VALID VALUES	301.074	0.1	217970	100.0

NUCLEAR SCAN EQUIPMENT COSTS SHARED

EQU48N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
MISSING	82.0859	0.0	82.0859	0.0
VALID SKIP	217168	99.6	217250	99.7
NO	719.266	0.3	217970	100.0

R SHARE NUCLEAR SCAN EQUIPMENT COSTS

EQU49N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
VALID SKIP	217970	100.0	217970	100.0



\*\*\* WEIGHTED \*\*\*

MAINTENANCE COST FOR NUCLEAR SCAN EQUIP

EQU50N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	99.8945	0.0	99.8945	0.0
DO NOT KNOW	215.117	0.1	315.012	0.1
MISSING	82.0859	0.0	397.098	0.2
VALID SKIP	217168	99.6	217565	99.8
NO MAINT. COST	263.887	0.1	217829	99.9
VALID VALUES	140.367	0.1	217970	100.0

# TESTS DONE USING NUCLEAR SCAN EQUIPMENT

EQU51N	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	76.5469	0.0	76.5469	0.0
MISSING	136.656	0.1	213.203	0.1
VALID SKIP	217168	99.6	217382	99.7
NONE	66.4414	0.0	217448	99.8
VALID VALUES	521.707	0.2	217970	100.0

PHYSICIAN TIME INVOLVED IN NUCLEAR SCAN

EQU52NR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT PERFORM	66.4414	0.0	66.4414	0.0
DO NOT KNOW	76.5469	0.0	142.988	0.1
MISSING	136.656	0.1	279.645	0.1
VALID SKIP	217168	99.6	217448	99.8
5	206.031	0.1	217654	99.9
10	212.496	0.1	217867	100.0
30	103.18	0.0	217970	100.0

NON-PHYSN TIME ASSISTING NUCLEAR SCAN

EQU53NR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT PERFORM	66.4414	0.0	66.4414	0.0
DO NOT KNOW	76.5469	0.0	142.988	0.1
MISSING	136.656	0.1	279.645	0.1
VALID SKIP	217168	99.6	217448	99.8
60	253.34	0.1	217701	99.9
75	103.18	0.0	217805	99.9
120	165.188	0.1	217970	100.0

RENTS OWNS/LEASES/RENTS CLINICAL CHEM EQUIP

LAB54A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	216.68	0.1	216.68	0.1
MAIL QUEST.	752.812	0.3	969.491	0.4
MISSING	666.586	0.3	1636.08	0.8
NO	171078	78.5	172714	79.2
YES	45255.6	20.8	217970	100.0

RENTS HAS INVESTMENT IN CLINICAL CHEM EQUIP

LAB54AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DO NOT KNOW	438.832	0.2	438.832	0.2
MAIL QUEST.	752.812	0.3	1191.64	0.5
MISSING	3545.65	1.6	4737.29	2.2
REFUSAL	70.207	0.0	4807.5	2.2
NO	209096	95.9	213903	98.1
YES	4066.62	1.9	217970	100.0

\*\*\* WEIGHTED \*\*\*

CLINICAL CHEMISTRY EQUIPMENT PURCHASED

LAB55A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	620.832	0.3	620.832	0.3
MISSING	263.852	0.1	884.684	0.4
REFUSAL	74.3359	0.0	959.02	0.4
VALIO SKIP	172714	79.2	173673	79.7
NO	6835.18	3.1	180508	82.8
YES	37461.4	17.2	217970	100.0

CLINICAL CHEMISTRY EQUIPMENT LEASED

LAB55A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	672	0.3	672	0.3
MISSING	263.852	0.1	935.852	0.4
REFUSAL	74.3359	0.0	1010.19	0.5
VALIO SKIP	172714	79.2	173724	79.7
NO	36234.3	16.6	209959	96.3
YES	8011.05	3.7	217970	100.0

CLINICAL CHEMISTRY EQUIPMENT RENTED

LAB55A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	620.832	0.3	620.832	0.3
MISSING	263.852	0.1	884.684	0.4
REFUSAL	74.3359	0.0	959.02	0.4
VALIO SKIP	172714	79.2	173673	79.7
NO	43802.8	20.1	217476	99.8
YES	493.754	0.2	217970	100.0

TOTAL COST OF CLINICAL CHEM. EQUIPMENT

LAB56A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1153.05	0.5	1153.05	0.5
DONT KNOW	10259.3	4.7	11412.3	5.2
MISSING	1494.18	0.7	12906.5	5.9
REFUSAL	457.254	0.2	13363.8	6.1
UNCODEABLE	100.738	0.0	13464.5	6.2
VALID SKIP	172714	79.2	186179	85.4
NONE	650.512	0.3	186829	85.7
VALIO VALUES	31140.6	14.3	217970	100.0

CLINICAL CHEMISTRY EQUIPMENT COSTS SHARED

LAB57A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1454.94	0.7	1454.94	0.7
MISSING	1964.4	0.9	3419.34	1.6
REFUSAL	144.543	0.1	3563.88	1.6
VALIO SKIP	172714	79.2	176278	80.9
NO	39417.9	18.1	215696	99.0
YES	2273.84	1.0	217970	100.0

\*\*\* WEIGHTED \*\*\*

R SHARE OF CLINICAL CHEM. EQUIP COSTS

LAB58A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	233.688	0.1	233.688	0.1
MISSING	228.207	0.1	461.895	0.2
VALID SKIP	215696	99.0	216158	99.2
4	32	0.0	216190	99.2
10	142.234	0.1	216332	99.2
25	457.41	0.2	216789	99.5
33	319.148	0.1	217109	99.6
35	77.3438	0.0	217186	99.6
40	74.7461	0.0	217261	99.7
50	587.934	0.3	217849	99.9
60	91.9414	0.0	217941	100.0
70	29.1836	0.0	217970	100.0

CLINICAL CHEM EQUIP MAINTENANCE COSTS

LAB59A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	1208.05	0.6	1208.05	0.6
DONT KNOW	8430.72	3.9	9638.77	4.4
MISSING	2585.69	1.2	12224.5	5.6
OUT OF RANGE	65.5938	0.0	12290.1	5.6
REFUSAL	323.223	0.1	12613.3	5.8
UNCODEABLE	114.461	0.1	12727.7	5.8
VALID SKIP	172714	79.2	185442	85.1
NO MAINT. COST	12828.7	5.9	198271	91.0
VALID VALUES	19699.1	9.0	217970	100.0

# OF CLINICAL CHEMISTRY TESTS PERFORMED

LAB60A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
COMBINED	12.3333	0.0	12.3333	0.0
DONT KNOW	5227.25	2.4	5239.59	2.4
MISSING	1416.42	0.6	6656.01	3.1
OUT OF RANGE	96.1094	0.0	6752.11	3.1
REFUSAL	121.68	0.1	6873.79	3.2
VALID SKIP	172652	79.2	179526	82.4
NONE	1380.04	0.6	180906	83.0
VALID VALUES	37063.5	17.0	217970	100.0

BLOOD URIC ACID TESTS PERFORMED

LAB61A1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1197.01	0.5	1197.01	0.5
MISSING	1179.06	0.5	2376.07	1.1
REFUSAL	20.75	0.0	2396.82	1.1
VALID SKIP	172714	79.2	175111	80.3
NO	15834.1	7.3	190945	87.6
YES	27024.7	12.4	217970	100.0

BLOOD UREA TESTS PERFORMED

LAB61A2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1248.21	0.6	1248.21	0.6
MISSING	1342.52	0.6	2590.73	1.2
REFUSAL	20.75	0.0	2611.48	1.2
VALID SKIP	172714	79.2	175326	80.4
NO	16877.3	7.7	192203	88.2
YES	25766.8	11.8	217970	100.0

\*\*\* WEIGHTED \*\*\*

SERUM CHOLESTEROL TESTS PERFORMED

LAB61A3	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	909.028	0.4	909.028	0.4
MISSING	879.177	0.4	1788.2	0.8
REFUSAL	20.75	0.0	1808.95	0.8
VALID SKIP	172714	79.2	174523	80.1
NO	10216.3	4.7	184739	84.8
YES	33230.4	15.2	217970	100.0

GLUCOSE TESTS PERFORMED

LAB61A4	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	909.028	0.4	909.028	0.4
MISSING	776.134	0.4	1685.16	0.8
REFUSAL	20.75	0.0	1705.91	0.8
VALID SKIP	172714	79.2	174420	80.0
NO	2803.54	1.3	177224	81.3
YES	40746.1	18.7	217970	100.0

PRACTICE PERFORMS MULTICHANNEL TESTS

LAB62A	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	730.661	0.3	730.661	0.3
MISSING	639.665	0.3	1370.33	0.6
REFUSAL	20.75	0.0	1391.08	0.6
VALID SKIP	172714	79.2	174105	79.9
NO	27306	12.5	201411	92.4
YES	16558.5	7.6	217970	100.0

# DIFFERENT MULTICHANNEL TESTS PERFORMED

LAB62AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	1655.65	0.8	1655.65	0.8
MISSING	405.813	0.2	2061.47	0.9
OUT OF RANGE	588.939	0.3	2650.41	1.2
VALID SKIP	201411	92.4	204062	93.6
1	43.2231	0.0	204105	93.6
2	86.3052	0.0	204191	93.7
3	423	0.2	204614	93.9
4	258.57	0.1	204873	94.0
5	383.715	0.2	205256	94.2
6	516.051	0.2	205773	94.4
7	115.945	0.1	205888	94.5
8	257.801	0.1	206146	94.6
9	29.75	0.0	206176	94.6
10	771.245	0.4	206947	94.9
11	185.316	0.1	207133	95.0
12	1967.53	0.9	209100	95.9
13	145.32	0.1	209245	96.0
14	597.7	0.3	209843	96.3
15	899.055	0.4	210742	96.7
16	597.141	0.3	211339	97.0
17	38.9087	0.0	211378	97.0
18	330.953	0.2	211709	97.1
19	238.074	0.1	211947	97.2
20	2380.79	1.1	214328	98.3
21	278.527	0.1	214607	98.5
22	384.396	0.2	214991	98.6
23	206.633	0.1	215198	98.7
24	496.492	0.2	215694	99.0
25	168.402	0.1	215862	99.0
26	50.5	0.0	215913	99.1
27	45	0.0	215958	99.1
28	135.098	0.1	216093	99.1



\*\*\* WEIGHTED \*\*\*

# DIFFERENT MULTICHANNEL TESTS PERFORMED

LAB62AA	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
30	1007.58	0.5	217101	99.6
32	105.645	0.0	217206	99.6
35	42.3242	0.0	217249	99.7
42	151.648	0.1	217400	99.7
55	18.6719	0.0	217419	99.7
60	53.5859	0.0	217473	99.8
68	31.1719	0.0	217504	99.8
75	164.867	0.1	217669	99.9
100	159.785	0.1	217828	99.9
120	70.207	0.0	217899	100.0
150	71.1172	0.0	217970	100.0

MULTICHANNEL TESTS PERFORMED DISCRETELY

LAB62AB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	458.116	0.2	458.116	0.2
MISSING	62.6353	0.0	520.751	0.2
VALID SKIP	201411	92.4	201932	92.6
DISCRETELY	10699.6	4.9	212632	97.6
COMBINATIONS	5338.14	2.4	217970	100.0

R OWNS/LEASES/RENTS HEMATOLOGY EQUIPMENT

LAB54B	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	286.887	0.1	286.887	0.1
MAIL QUEST.	752.812	0.3	1039.7	0.5
MISSING	760.367	0.3	1800.07	0.8
NO	165888	76.1	167688	76.9
YES	50281.6	23.1	217970	100.0

R HAS INVESTMENT IN HEMATOLOGY EQUIPMNT

LAB54AB	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	438.832	0.2	438.832	0.2
MAIL QUEST.	752.812	0.3	1191.64	0.5
MISSING	3994.82	1.8	5186.46	2.4
NO	209180	96.0	214367	98.3
YES	3603.16	1.7	217970	100.0

HEMATOLOGY EQUIPMENT PURCHASED

LAB55B1	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	808.481	0.4	808.481	0.4
MISSING	1024.47	0.5	1832.95	0.8
REFUSAL	74.3359	0.0	1907.29	0.9
VALID SKIP	167688	76.9	169595	77.8
NO	6040.93	2.8	175636	80.6
YES	42333.4	19.4	217970	100.0

HEMATOLOGY EQUIPMENT LEASED

LAB55B2	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
DONT KNOW	808.481	0.4	808.481	0.4
MISSING	1170.33	0.5	1978.81	0.9
REFUSAL	74.3359	0.0	2053.15	0.9
VALID SKIP	167688	76.9	169741	77.9
NO	41452	19.0	211193	96.9
YES	6776.46	3.1	217970	100.0

## REFERENCES



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VALUE FBX21C

1='INDIVIDUAL'  
2='PRACTICE'  
.P='MAIL QUEST.'  
.C='CDMBINED'  
.U='UNCDEABLE'  
.N='NOT APPLICABLE'  
.X='DUT DF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FDEM

1='WHITE'  
2='HISPANIC'  
3='BLACK'  
4='ASIAN/PACIFIC'  
5='INDIAN/ALASKAN'  
6='DOTHER'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FI69X

1='PHYSICIAN'  
2='BDOKKEEPER'  
3='OFFICE MANAGER'  
4='ACCOUNTANT'  
5='RECEPTIONIST'  
6='BILLING OFFICE'  
7='PHYS. EMPLOYEE'  
8='DOTHER'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FI69A

1='YES'  
2='NO'  
3='PHYS. EMPLDYEE'  
.P='MAIL QUEST.'  
.C='CDMBINED'  
.U='UNCDEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FI69B

1='GRDUP'  
2='INDIVIDUAL'  
3='PHYS. EMPLDYEE'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='DUT OF RANGE'  
.R='REFUSAL'  
.D='DDNT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FAGER  
1=' < 35'  
2=' 35-39'  
3=' 40-49'  
4=' 50-59'  
5=' 60-64'  
6=' 65 +'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FSEX  
0='MALE'  
1='FEMALE'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FFMG  
1='DOMESTIC GRAD'  
2='FOREIGN GRAD'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.='VALID SKIP';

VALUE FBRD  
0='NO RECOGNITION'  
3='ALLERGY/IMMUN'  
5='ANESTHESIOLOGY'  
10='COLON/RECTAL SRG'  
15='DERMATOLOGY'  
16='EMERGENCY MED'  
18='FAMILY PRACTICE'  
20='INTERNAL MED'  
25='NEURO SURGERY'  
28='NUCLEAR MEDICINE'  
30='OB/GYN'  
35='OPHTHALMOLOGY'  
40='ORTHOPEDIC SURG'  
45='OTOLARYNGOLOGY'  
50='PATHOLOGY'  
55='PEDIATRICS'  
60='PHYS MED/REHAB'  
65='PLASTIC SURG'  
70='PREVENTIVE MED'  
75='PSYCH/NEURO'  
80='RADIOLOGY'  
85='SURGERY'  
90='THORACIC SURG'  
95='UROLOGY';

VALUE FSOLO  
0='NOT SOLO'  
1='SOLO'  
.='MISSING VALUE';

VALUE FCARE  
0='NO MEDICARE PTS'  
1='HAS MEDICARE PTS'  
.='MISSING VALUE';

VALUE FCAID  
0='NO MEDICAID PTS'  
1='HAS MEDICAID PTS'  
.= 'MISSING VALUE';

VALUE FMS  
0='NOT MULTI-SPEC'  
1='MULTI-SPEC'  
.= 'MISSING VALUE';



----CROSSWALK BETWEEN SAS FORMATS AND VARIABLES FOR FORMATTED FREQUENCIES----

FORMAT SPEC4 F4SPEC.

DIVISION FDIV.

REGION FREG.

SMSASIZ FSMASIZ.

SMSA FSMSA.

SCR7C F7C.

PRD9D F9D.

SCR5A COSBX9A1 COSB11A1 COSB13A1 PROXY  
SCR5B COSBX9A2 COSB11A2 COSB13A2  
SCR5C COSBX9A3 COSB11A3 COSB13A3  
SCR5D COSBX9A4 COSB11A4 COSB13A4  
SCR5E SCR5F SCR5G  
SCR7D PRD11C2 COSBOX16 MAL33 MAL37  
MED39 MED40  
EQU45A1 EQU46A LAB55A1 LAB65A LAB66A LAB67A  
EQU45B1 LAB55B1 EQU45C1 LAB55C1  
EQU45D1 LAB55D1 EQU45E1 EQU45F1 EQU45G1 EQU45H1 EQU45I1  
EQU45J1 EQU45K1 EQU45L1 EQU45M1 EQU45N1  
EQU44A EQU44AA EQU48A LAB54A LAB54AA LAB57A  
LAB61A1 LAB61A2 LAB61A3 LAB61A4 LAB62A LAB64 LAB68  
EQU44B EQU44AB EQU48B LAB54B LAB54AB LAB57B  
LAB61B1 LAB61B2 LAB61B3 LAB61B4 LAB61B5 LAB62B  
EQU44C EQU44AC EQU48C LAB54C LAB54AC LAB57C  
EQU44D EQU44AD EQU48D LAB54D LAB54AD LAB57D  
EQU44E EQU44AE EQU48E EQU44F EQU44AF EQU48F  
EQU44G EQU44AG EQU48G EQU44H EQU44AH EQU48H  
EQU44I EQU44AI EQU48I EQU44J EQU44AJ EQU48J  
EQU44K EQU44AK EQU48K EQU44L EQU44AL EQU48L  
EQU44M EQU44AM EQU48M EQU44N EQU44AN EQU48N  
EQU45A2 EQU46B LAB55A2 LAB66B LAB67B  
EQU45B2 LAB55B2 EQU45C2 LAB55C2 EQU45D2 LAB55D2  
EQU45E2 EQU45F2 EQU45G2 EQU45H2 EQU45I2 EQU45J2  
EQU45K2 EQU45L2 EQU45M2 EQU45N2  
EQU45A3 EQU46M LAB55A3 LAB67C  
EQU45B3 LAB55B3 EQU45C3 LAB55C3 EQU45D3 LAB55D3  
EQU45E3 EQU45F3 EQU45G3 EQU45H3 EQU45I3 EQU45J3  
EQU45K3 EQU45L3 EQU45M3 EQU45N3  
EQU46R LAB66D F1F.

LAB62AB LAB62BB F10F.

LAB65B F11F.

LAB66C F12F.

LAB67E F13F.

MODE FMODE.

SELFSPEC FSELF.

SPECIAL FSPEC.

EQPMT FEQ.

LAB FLAB.

EQINVMT LABINVMT FVMT.

EQU49A EQU52AR EQU53AR LAB58A LAB62AA LAB63  
EQU49B EQU52BR EQU53BR LAB58B LAB62BA  
EQU49C EQU52CR EQU53CR LAB58C  
EQU49D EQU52DR EQU53DR LAB58D  
EQU49E EQU52ER EQU53ER EQU49F EQU52FR EQU53FR  
EQU49G EQU52GR EQU53GR EQU49H EQU52HR EQU53HR  
EQU49I EQU52IR EQU53IR EQU49J EQU52JR EQU53JR  
EQU49K EQU52KR EQU53KR EQU49L EQU52LR EQU53LR  
EQU49M EQU52MR EQU53MR EQU49N EQU52NR EQU53NR PRD8  
PRD11C1 NUMB.

## VALUE FSPEC

D1='GENL PRACTICE'  
D2='FAMILY PRACTICE'  
D3='INTERNAL MED'  
D4='CV DISEASE'  
D5='GASTRDENTERDLGY'  
D6='ALLERGY'  
D7='ALLRGY & IMMUN'  
D8='ADOLESCENT MED'  
D9='DERMATDLOGY'  
D10='DIABETES'  
D11='ENDDCRINOLDGY'  
D12='GERIATRICS'  
D13='HEMATOLDGY'  
D14='INFECTIDUS DIS'  
D15='IMMUNDLOGY'  
D16='NEPHRDLOGY'  
D17='NED-PERINATAL'  
D18='NUTRITIDN'  
D19='DNCDLOGY'  
D20='PEDIATRICS'  
D21='PEDIATRC ALLRGY'  
D22='PEDIATRIC CARD'  
D23='PEDIATRIC NEPHR'  
D24='PEDIATRIC NEPHR'  
D25='PEDIATRIC NEPHR'  
D26='PULMDNARY DIS'  
D27='RHEUMATDLOGY'  
D28='ABDDMINAL SURG'  
D29='GENERAL SURGERY'  
D30='PEDIATRIC SURG'  
D31='HAND SURGERY'  
D32='ORTHOPEDIC SRG'  
D33='OPHTHALMOLOGY'  
D34='URDLGICAL SRG'  
D35='REPRDDUCT ENDO'  
D36='GYNECDLDGY'  
D37='OB/GYN'  
D38='OBSTETRICS'  
D39='GYN ONCDLDGY'  
D40='MATERN & FETAL'  
D41='CV SURGERY'  
D42='THDRACIC SURG'  
D43='COLDN/RECT SRG'  
D44='FACIAL PLASTIC'  
D45='HEAD/NECK SURG'  
D46='NEURDLOGIC SRG'  
D47='OTORHINOLARYNG'  
D48='PLASTIC SURG'  
D49='TRAUMATIC SURG'  
D50='VASCULAR SURG'  
D51='CHILD PSYCH'  
D52='PSYCHIATRY'  
D53='PSYCHOANALYSIS'  
D54='ANESTHESIOLOGY'  
D55='DIAG RADIOLOGY'  
D56='NUCLEAR MED'  
D57='NUCLEAR RAD'  
D58='RADIDLGY'  
D59='AERDSpace MED'  
D60='CHILD NEUROLGY'  
D61='EMERGENCY MED'  
D62='GENL PREV MED'  
D63='NEURDLGY'  
D64='OCCUP MEDICINE'  
D65='OTHER SPECIALTY'  
D66='CLIN PHARMACLGY'  
D67='PUBLIC HEALTH'  
D68='PHYS MED/REHAB'  
D69='UNSPECIFIED'  
D70='BLOODBANKING'  
D71='CLIN PATHOLOGY'  
D72='DERMATOPATHDLGY'  
D73='FORENSIC PATH'  
D74='NEURDPATHOLOGY'  
D75='PATHOLDGY'  
D76='ANATDMIC PATH'  
D77='CRITICAL CARE'  
D78='FLEX-TIME INTS'  
D79='RADIATIDN ONC'  
D80='PEDIATRIC RAD'

VALUE FSPEC (CONT)  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FSELF  
01='GENL/FAMILY PRAC'  
02='INTERNAL MED'  
03='CARDIOLOGY'  
04='GASTROENTEROLOGY'  
05='OTHER MEDICAL'  
06='GENERAL SURGERY'  
07='ORTHOPEDIC SURG'  
08='OPHTHALMOLOGY'  
09='UROLOGY'  
10='OB/GYN'  
11='THORACIC SURGERY'  
12='OTHER SURGERY'  
13='PSYCHIATRY'  
14='ANESTHESIOLOGY'  
15='RADIOLOGY'  
16='OTHER SPEC'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

VALUE FMODE  
1='CADE'  
2='CATI';

VALUE FEQ  
0='HAS NO EQUIPMENT'  
1='HAS EQUIPMENT'  
.= 'MISSING VALUE';

VALUE FLAB  
0='HAS NO LAB EQPMT'  
1='HAS LAB EQUIPMNT'  
.= 'MISSING VALUE';

VALUE FVMT  
0='HAS NO INVESTS'  
1='HAS INVESTMENTS'  
.= 'MISSING VALUE';

VALUE F4SPEC  
01='GENL/FAMILY PRAC'  
02='MEDICAL SPEC'  
03='SURGICAL SPEC'  
04='OTHER SPEC'  
.P='MAIL QUEST.'  
.C='COMBINED'  
.U='UNCODEABLE'  
.N='NOT APPLICABLE'  
.X='OUT OF RANGE'  
.R='REFUSAL'  
.D='DONT KNOW'  
.M='MISSING'  
.Z='DIDNT PERFORM'  
.= 'VALID SKIP';

APPENDIX III-E

*DESCRIPTIVE STATISTICS*

(UNWEIGHTED AND WEIGHTED)





\*\*\* WEIGHTED \*\*\*

VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM
PRD09A	HRS WORKED DURING RECENT WK OF PRACTICE	3501	58.03	125.8	12.00	146.0	2.13	1.26315E+07
PRD09B	TOTAL HRS SPENT ON ADMINISTRATIVE DUTIES	3500	5.74	46.8	0.00	45.0	0.79	1.24829E+06
PRD10A	HRS SPENT WITH PATIENTS IN THE OFFICE	3048	29.01	104.4	0.00	76.0	1.89	5.48907E+06
PRD10B	HRS SPENT TREATING PATIENT IN HOSPITAL	3035	6.27	90.7	0.00	98.0	1.65	1.18331E+06
PRD10C	HRS SPENT ON OPERATIONS/SURGICAL ASSISTS	3031	6.33	82.6	0.00	108.0	1.50	1.19243E+06
PRD10D	HRS SPENT ON REGULAR HOSPITAL ROUNDS	3012	8.61	85.3	0.00	90.0	1.55	1.61210E+06
PRD10E	HRS SPENT ON OTHER MEDICAL ACTIVITIES	3027	2.52	47.0	0.00	64.0	0.85	4.74152E+05
PRD11A	# OF PATIENTS SEEN IN R/S OFFICE LAST WK	3017	81.29	437.2	0.00	480.0	7.96	1.52387E+07
PRD11B	# OF PATIENTS SEEN IN HOSPITAL LAST WK	2986	10.65	231.0	0.00	400.0	4.23	1.97789E+06
PRD11C	# OF OPERATIONS AND ASSISTS LAST WK	3010	3.84	74.6	0.00	287.0	1.36	7.18881E+05
PRD11D	# OF INPATIENTS SEEN ON HOSPITAL ROUNDS	2956	21.69	250.9	0.00	300.0	4.61	4.00015E+06
SIZ12A	# PHYSICIANS WORKING AT LEAST 20 HRS/WK	3504	5.80	125.2	1.00	270.0	2.11	1.26355E+06
SIZ12B	# PHYSICIANS NOT PARTNERS OR SHAREHOLDERS	3496	1.31	54.3	0.00	226.0	0.92	2.85202E+05
SIZ12C	# PART-TIME PHYSICIAN EMPLOYEES	3497	0.25	12.0	0.00	35.0	0.20	5.51590E+04
SIZ12D	# PART-TIME PHYSICIAN EMPLOYEES	3490	0.18	10.1	0.00	35.0	0.17	3.84768E+04
SIZ12E	TOTAL PHYSICIANS IN RS SPECIALTY	3480	5.14	44.3	1.00	90.0	1.05	5.72948E+05
SIZ14	TOTAL # OF NON-PHYSICIAN EMPLOYEES	3480	16.83	400.8	0.00	800.0	6.79	3.64011E+06
SIZ15A1	# OF SOCIAL WORKER R/S PRACTICE EMPLOYED	205	0.64	18.9	0.00	23.0	1.32	7.42679E+03
SIZ15A2	# OF SOCIAL WORKERS WHO WORK 20 HRS A WK	33	2.93	21.5	0.00	16.0	3.75	5.12013E+03
SIZ15B1	# OF GRNAS R/S PRACTICE EMPLOYED IN 88	215	3.81	64.3	0.00	65.0	4.39	4.45262E+04
SIZ15B2	# OF GRNAS WHO WORK 20 HRS A WK	75	10.85	86.8	0.00	65.0	10.03	4.22823E+04
SIZ15C1	# OF RNS R/S PRACTICE EMPLOYED IN 88	3120	1.91	53.9	0.00	132.0	0.96	3.68040E+05
SIZ15C2	# OF RNS WHO WORK 20 HRS A WK	1290	4.13	72.4	0.00	132.0	2.02	3.26378E+05
SIZ15D1	# OF LPNs R/S PRACTICE EMPLOYED IN 88	3117	1.50	60.4	0.00	202.0	1.08	2.69223E+05
SIZ15D2	# OF LPNs WHO WORK 20 HRS A WK	906	4.82	95.8	0.00	182.0	3.18	2.62765E+05
SIZ15E1	# OF MEDICAL AIDES R/S PRACTICE EMPLOYED	3116	3.12	81.5	0.00	197.0	1.46	6.00424E+05
SIZ15E2	# OF MEDICAL AIDES WHO WORK 20 HRS A WK	1450	5.91	107.4	0.00	152.0	2.82	5.54222E+05
SIZ15F1	# OF PAS/NPS RS PRACTICE EMPLOYED	3118	0.48	30.1	0.00	185.0	0.44	9.24325E+04
SIZ15F2	# OF PAS/NPS WHO WORK 20 HRS/WEEK	453	3.14	73.2	0.00	185.0	3.44	8.52503E+04
SIZ15G1	# OF OTHER PT CARE EMPs IN RS PRACTICE	3118	0.68	42.1	0.00	150.0	0.75	1.29982E+05
SIZ15G2	# OF OTH PT CARE EMPs WHO WORK 20 HRS/WK	292	5.55	100.2	0.00	100.0	5.86	1.03673E+05
SIZ15H1	# OF CLERICAL STAFF R/S PRACTICE EMPLOYD	3109	8.28	172.5	0.00	324.0	3.09	1.03673E+05
SIZ15H2	# OF CLERICAL STAFF WHO WORK 20 HRS A WK	2932	7.67	162.5	0.00	324.0	3.00	1.38079E+06
COS16	WAGES FOR PHYSICIANS IN R/S PRACTICE 88	2881	687809.28	13871275.1	0.00	29561000.0	258431.09	1.22146E+11
COS16A	TOTAL SPENT FOR PHYSICIAN DEFERRED COMP	2294	77144.01	2921850.7	0.00	7986888.0	61004.42	1.09989E+10
COS16B	TOTAL SPENT FOR PHYSICIAN FRINGE BENEFIT	2371	72135.91	2376956.2	0.00	6959000.0	48815.24	1.05145E+10
COS17	TOTAL WAGES FOR PHYSICIAN EMPLOYEES 88	2943	61403.49	4031205.7	0.00	12192000.0	74308.73	1.10921E+10
COS17A	TOTAL SPENT FOR MD EMPs DEFERRED COMP	2875	2983.01	226449.6	0.00	706244.0	4223.31	5.26119E+08
COS17B	TOTAL SPENT FOR MD EMPs FRINGE BENEFITS	2868	6664.23	616310.8	0.00	1905000.0	11508.27	1.17189E+09
COS18	TOTAL WAGES FOR NON-PHYSICIAN EMPLOYEES	2504	269253.50	6272620.5	0.00	9346000.0	115802.77	4.95583E+10
COS18A	TOTAL SPENT NON-PHYSICIAN DEFERRED COMP	2505	55735.91	420752.1	0.00	784857.0	84.06.44	2.06685E+09
COS18B	TOTAL SPENT NON-PHYSICIAN FRINGE BENEFIT	2542	67062.15	1844153.3	0.00	9621000.0	47560.47	8.71243E+09
COS19A	YEARLY OFFICE SPACE RENTAL OR LEASE COST	3030	8442.72	449967.7	0.00	5725000.0	33502.38	1.24906E+10
COS19B	1988 DEPRECIATION COST FOR OFFICE SPACE	2942	19428.43	447987.8	0.00	800000.0	8234.18	1.52946E+09
COS19C	EXPENSES FOR UTILITIES/TELEPHONE IN 1988	2960	6699.35	157956.3	0.00	384000.0	3117.63	3.54418E+09
COS19E	TOTAL SQUARE FOOTAGE OF OFFICE SPACE	385	868.86	2570.9	0.00	1000.0	131.02	1.97504E+07
COS19F	COST PER SQUARE FOOT FOR OFFICE SPACE	2700	28169.07	784640.9	0.00	1270000.0	15100.42	4.67163E+10
COS21	MEDICAL EQUIPMENT DEPRECIATION EXPENSES	2874	90422.43	3109979.5	0.00	8103200.0	58011.51	1.60215E+10
COS22	ANNUAL EXPENSES FOR ALL MEDICAL SUPPLIES	3020	65319.50	1345973.7	0.00	3200000.0	24492.50	1.21250E+10
COS23	MA/PRACTICE INSURANCE COST ALL MEMBERS	2867	5241.95	122511.7	0.00	341000.0	2288.04	9.26219E+08
COS24	AUTOMOBILE UPKEEP AND DEPRECIATION COST	2939	9950.80	235282.5	0.00	850000.0	4340.00	1.80341E+09
COS25	CONTINUING EDUCATION EXPENSES FOR 1988	2904	111695.70	3656422.1	0.00	11210000.0	67851.28	1.99492E+10
COS26	COST FOR MISCELLANEOUS ITEMS IN 1988	2316	159072.11	1265500.2	0.00	3000000.0	26296.22	2.31234E+10
INC29A	R/S OWN PERSONAL NET INCOME IN 1988	10	650108.87	948086.2	500000.00	950000.0	299811.18	3.02339E+08
INC29C	HOW MUCH WAS PERSONAL NET INCOME >\$500K							

VARIABLE LABEL	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM
LAB56B	TOTAL COST OF HEMATOLOGY EQUIPMENT	478	12855.81	35403.93	0.00	595000.0	1619.34	6145076
LAB60B	# OF HEMATOLOGY TEST PERFORMED	632	144.12	691.94	0.00	9300.0	27.52	91084
LAB56C	TOTAL COST OF MICROBIOLOGY EQUIPMENT	252	7136.77	27432.06	0.00	350000.0	1728.06	1798466
LAB60C	# OF MICROBIOLOGY TESTS PERFORMED	364	245.56	2031.53	0.00	25000.0	106.48	89385
LAB56D	TOTAL COST OF HISTOLOGY EQUIPMENT	34	19634.26	45040.45	0.00	245347.0	7724.37	667565
LAB60D	# OF HISTOLOGY TESTS PERFORMED	45	181.80	478.61	0.00	3000.0	71.35	8181
AGE	AGE OF RESPONDENT (1988 - BIRTH YEAR)	3505	46.59	10.46	28.00	98.0	0.18	163289
IMP8	IMPUTED VALUE FOR PRD8	3505	4.24	2.81	0.10	36.1	0.05	14850
IMP10A	IMPUTED VALUE FOR PRD10A	3060	27.78	13.38	0.10	76.1	0.24	85013
IMP10B	IMPUTED VALUE FOR PRD10B	3060	6.43	11.24	0.10	98.1	0.20	19689
IMP10C	IMPUTED VALUE FOR PRD10C	3060	8.33	11.83	0.10	108.1	0.21	25485
IMP10D	IMPUTED VALUE FOR PRD10D	3060	9.30	10.80	0.10	90.1	0.20	28448
IMP10E	IMPUTED VALUE FOR PRD10E	3060	1.60	4.39	0.00	43.1	0.08	4910
IMP11A	IMPUTED VALUE FOR PRD11A	3060	77.48	55.37	0.10	480.1	1.00	237085
IMP11B	IMPUTED VALUE FOR PRD11B	3060	10.08	26.59	0.10	400.1	0.48	30844
IMP11C	IMPUTED VALUE FOR PRD11C	3060	4.96	9.58	0.10	287.1	0.17	15176
IMP11D	IMPUTED VALUE FOR PRD11D	3060	23.60	32.22	0.10	300.1	0.58	72219
IMP11C1	IMPUTED VALUE FOR PRD11C1	3032	2.30	6.99	0.00	283.1	0.13	6975
IMP16A	IMPUTED VALUE FOR COS16A	3086	71730.64	291746.62	0.00	7986888.0	5251.80	221360755
IMP16B	IMPUTED VALUE FOR COS16B	3086	64685.04	280360.11	0.00	6959000.0	5046.83	199618025
IMP17	IMPUTED VALUE FOR COS17	3077	49758.91	245722.79	0.00	7498058.2	4429.78	153108160
IMP17A	IMPUTED VALUE FOR COS17A	3077	2723.78	25024.01	0.00	706244.0	451.12	8381082
IMP17B	IMPUTED VALUE FOR COS17B	3077	6448.36	39890.79	0.00	940000.0	719.13	19841599
IMP18	IMPUTED VALUE FOR COS18	3086	255572.59	794131.38	0.00	11447120.1	14295.34	788697004
IMP18A	IMPUTED VALUE FOR COS18A	3086	13672.89	54578.99	0.00	846328.1	982.49	42194527
IMP18B	IMPUTED VALUE FOR COS18B	3086	48378.66	261266.43	0.00	9621000.0	4703.12	149296558
IMP19A	IMPUTED VALUE FOR COS19A	3086	63217.43	215276.04	0.00	5725000.0	3875.23	195088998
IMP19B	IMPUTED VALUE FOR COS19B	3086	9075.98	57504.19	0.00	1505000.0	1035.15	28008484
IMP19D	IMPUTED VALUE FOR COS19D	3086	19379.94	58098.49	0.00	966866.1	1045.84	59806483
IMP21	IMPUTED VALUE FOR COS21	3086	27039.84	94318.47	0.00	1270000.0	1698.12	83417903
IMP22	IMPUTED VALUE FOR COS22	3086	79095.91	323743.39	0.00	7104000.0	5827.78	244089964
IMP23	IMPUTED VALUE FOR COS23	3086	69123.48	201854.89	0.00	4816152.1	3633.64	2133315064
IMP24	IMPUTED VALUE FOR COS24	3086	5353.55	16512.00	0.00	405214.1	297.24	16521046
IMP25	IMPUTED VALUE FOR COS25	3086	10649.17	33524.78	0.00	850000.0	603.49	32863339
IMP26	IMPUTED VALUE FOR COS26	3086	104287.95	441785.82	0.00	11210000.0	7952.69	321832623
IMP31	IMPUTED VALUE FOR MAL31	3494	17604.81	27311.77	0.00	693763.0	462.05	61511196
IMP38A	IMPUTED VALUE FOR MED38A	3499	11.41	12.55	0.10	99.1	0.21	39920
IMP38B	IMPUTED VALUE FOR MED38B	3502	33.07	21.88	0.10	97.1	0.37	115808
IMP38C	IMPUTED VALUE FOR MED38C	3502	8.91	10.84	0.10	98.1	0.18	31206
IMP38D	IMPUTED VALUE FOR MED38D	3501	17.45	12.83	0.10	90.1	0.22	61082
IMP38E	IMPUTED VALUE FOR MED38E	3501	27.13	19.45	0.10	99.1	0.33	94975
IMP38F	IMPUTED VALUE FOR MED38F	3501	2.55	9.68	0.00	99.0	0.16	8926
IMPNET	IMPUTED VALUE FOR NET	3505	164641.41	127301.43	0.00	2330000.0	2150.25	577068130
TOTCOST	SUM OF PRACTICE COSTS (GROUP LEVEL)	3085	1535616.01	4161761.82	11120.00	72502000.0	74928.95	4737375394
OVIDHCOST	TOTAL OVERHEAD COSTS	3077	750183.94	2255793.29	750.00	35982000.0	40666.38	2308315989
MEDHRS	PHYS. HOURS SPENT ON MEDICAL ACTIVITIES	3505	52.45	15.45	3.00	143.0	0.26	183840



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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM
LAB568	TOTAL COST OF HEMATOLOGY EQUIPMENT	478	12390.96	302356.8	0.00	595000.0	13829.48	3.96308E+08
LAB608	# OF HEMATOLOGY TEST PERFORMED	632	125.58	4713.7	0.00	9300.0	187.50	5.35236E+06
LAB56C	TOTAL COST OF MICROBIOLOGY EQUIPMENT	252	7913.90	231896.3	0.00	350000.0	14608.09	1.24542E+08
LAB60C	# OF MICROBIOLOGY TESTS PERFORMED	364	176.58	14015.3	0.00	25000.0	734.60	4.09868E+06
LAB56D	TOTAL COST OF HISTOLOGY EQUIPMENT	34	14390.06	233677.4	0.00	245347.0	40075.35	3.50215E+07
LAB60D	# OF HISTOLOGY TESTS PERFORMED	45	200.36	4598.8	0.00	3000.0	685.54	6.73777E+05
AGE	AGE OF RESPONDENT (1988 - BIRTH YEAR)	3505	46.53	84.3	28.00	98.0	1.42	1.01431E+07
IMP8	IMPUTED VALUE FOR PKD8	3505	4.24	22.9	0.10	36.1	0.39	9.24363E+05
IMP10A	IMPUTED VALUE FOR PRD10A	3060	29.03	104.5	0.10	76.1	1.89	5.51898E+06
IMP10B	IMPUTED VALUE FOR PRD10B	3060	6.40	90.8	0.10	98.1	1.64	1.21672E+06
IMP10C	IMPUTED VALUE FOR PRD10C	3060	6.54	83.6	0.10	108.1	1.51	1.24416E+06
IMP10D	IMPUTED VALUE FOR PRD10D	3060	8.84	86.3	0.10	90.1	1.56	1.67984E+06
IMP10E	IMPUTED VALUE FOR PRD10E	3060	1.61	34.6	0.00	43.1	0.62	3.06816E+05
IMP11A	IMPUTED VALUE FOR PRD11A	3060	81.74	446.0	0.10	480.1	8.06	1.55389E+07
IMP11B	IMPUTED VALUE FOR PRD11B	3060	10.84	229.2	0.10	400.1	4.14	2.06014E+06
IMP11C	IMPUTED VALUE FOR PRD11C	3060	4.03	75.2	0.10	287.1	1.36	7.66664E+05
IMP11D	IMPUTED VALUE FOR PRD11D	3060	22.04	248.4	0.10	300.1	4.49	4.18924E+06
IMP11C1	IMPUTED VALUE FOR PRD11C1	3032	1.95	58.4	0.00	283.1	1.06	3.66803E+05
IMP16A	IMPUTED VALUE FOR COS16A	3086	72576.46	2535614.1	0.00	7986888.0	45644.16	1.37487E+10
IMP16B	IMPUTED VALUE FOR COS16B	3086	63544.87	2073735.6	0.00	6959000.0	37329.78	1.20377E+10
IMP17	IMPUTED VALUE FOR COS17	3077	51390.21	1805877.5	0.00	7498058.2	32555.51	9.70968E+09
IMP17A	IMPUTED VALUE FOR COS17A	3077	3103.42	216634.7	0.00	706244.0	3905.39	5.86361E+08
IMP17B	IMPUTED VALUE FOR COS17B	3077	6805.86	312389.6	0.00	940000.0	5631.61	1.28590E+09
IMP18	IMPUTED VALUE FOR COS18	3086	255352.65	6161021.1	0.00	11447120.1	110905.92	4.83732E+10
IMP18A	IMPUTED VALUE FOR COS18A	3086	13309.38	414376.3	0.00	846328.1	7459.28	2.5129E+09
IMP18B	IMPUTED VALUE FOR COS18B	3086	49226.37	2185779.6	0.00	9621000.0	39346.71	9.32528E+09
IMP19A	IMPUTED VALUE FOR COS19A	3086	65786.12	1813760.8	0.00	5725000.0	32649.92	1.24623E+10
IMP19B	IMPUTED VALUE FOR COS19B	3086	8977.54	457144.4	0.00	1505000.0	8229.16	1.70068E+09
IMP19D	IMPUTED VALUE FOR COS19D	3086	19238.14	444527.8	0.00	966866.1	8002.05	3.64441E+09
IMP21	IMPUTED VALUE FOR COS21	3085	27350.67	761687.1	0.00	1270000.0	13713.52	5.18023E+09
IMP22	IMPUTED VALUE FOR COS22	3086	80938.35	2545533.5	0.00	7104000.0	45822.72	1.53327E+10
IMP23	IMPUTED VALUE FOR COS23	3086	65110.85	1401448.5	0.00	4816152.1	25227.79	1.23344E+10
IMP24	IMPUTED VALUE FOR COS24	3086	5412.22	127682.9	0.00	405214.1	2298.45	1.02527E+09
IMP25	IMPUTED VALUE FOR COS25	3086	9973.51	236586.0	0.00	850000.0	4258.84	1.88935E+09
IMP26	IMPUTED VALUE FOR COS26	3086	106328.90	3555013.7	0.00	11210000.0	63994.60	2.01426E+10
IMP31	IMPUTED VALUE FOR MAL31	3499	16793.36	223196.3	0.00	693763.0	3775.94	3.65133E+09
IMP38A	IMPUTED VALUE FOR MED38A	3499	11.67	102.1	0.10	99.1	1.73	2.53985E+06
IMP38B	IMPUTED VALUE FOR MED38B	3502	30.46	170.4	0.10	97.1	2.88	6.63570E+06
IMP38C	IMPUTED VALUE FOR MED38C	3502	8.94	90.8	0.10	98.1	1.53	1.94664E+06
IMP38D	IMPUTED VALUE FOR MED38D	3501	17.80	103.5	0.10	90.1	1.75	3.87683E+06
IMP38E	IMPUTED VALUE FOR MED38E	3501	28.73	158.8	0.10	99.1	2.68	6.25803E+06
IMP38F	IMPUTED VALUE FOR MED38F	3501	2.90	83.2	0.00	99.0	1.41	6.31768E+05
IMPNET	IMPUTED VALUE FOR NET	3505	156296.33	937205.0	0.00	2330000.0	15830.35	3.40679E+10
TOTCOST	SUM OF PRACTICE COSTS (GROUP LEVEL)	3075	1511909.73	31908611.4	11120.00	72502000.0	574487.15	2.86357E+11
OTHCOST	TOTAL OVERHEAD COSTS	3078	760950.17	17944106.6	750.00	35982000.0	323487.94	1.43774E+11
MEDHRS	PHYS. HOURS SPENT ON MEDICAL ACTIVITIES	3505	51.53	120.1	3.00	143.0	2.03	1.12320E+07



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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM
NET	PERSONAL NET INCOME AS CONTINUOUS VAR	3218	163208.72	2831418.9	0.00	14000000.0	49912.71	3.27635E+10
INC30A	APPROX INCOME NOT FROM MAIN PRACTICE	121	24900.60	878383.1	0.00	1000000.0	79853.01	2.01422E+08
MAL31	OWN MALPRACTICE INSURANCE PAID IN 1988	3416	17035.47	228397.7	0.00	693763.0	3907.80	3.61105E+09
MAL32	AMOUNT PAID TO PATIENT COMPENSATION FUND	719	2866.36	1147719.6	0.00	290000.0	4278.32	1.25340E+08
MAL33A	TOTL MALPRACTICE INSURANCE HOSPITAL PAID	3388	34.1	28308.5	0.00	100000.0	486.35	7.17151E+07
Q35VERB	LIMIT PER CASE ON MALPRACTICE (OTHER)	445	2188317.02	20238465.2	20000.00	40000000.0	959395.26	5.80341E+10
MAL35R	TOTAL LIMIT ON MALPRACTICE (OTHER)	553	3556804.42	36441222.5	40000.00	90000000.0	1549638.41	1.90655E+11
MAL36R	LIMIT PER CASE ON MAL POLICIES-CONT VAR	3351	1060742.58	9114485.5	20000.00	40000000.0	157450.83	2.20898E+11
MED30A	TOTAL LIMIT ALL MAL POLICIES-CONTINUOUS	3331	2524644.83	17711735.3	40000.00	90000000.0	306883.68	2.40725E+11
MED30B	% OF REVENUES FROM UNINSURED PATIENTS	3281	11.89	114.0	0.00	100.0	1.99	2.40744E+06
MED30B	% OF REVENUES FROM MEDICAID	3352	30.17	174.1	0.00	97.0	3.01	6.26534E+06
MED30C	% OF REVENUES FROM MEDICAID	3310	8.78	93.4	0.00	98.0	1.62	1.79402E+06
MED30D	% OF REVENUES FROM PRIVATE BLUE SHIELD	2924	18.65	117.3	0.00	90.0	1.17	3.37244E+06
MED30E	% OF REVENUES FROM OTHER HEALTH PLANS	3131	30.28	176.0	0.00	100.0	2.15	5.87861E+06
MED30F	% OF REVENUES FROM OTHER SOURCES SPECIFY	3280	3.58	107.3	0.00	100.0	1.87	7.23998E+05
MED30G	% OF MEDICARE HAD SUPPLEMENTAL INSURANCE	2803	54.18	230.8	0.00	100.0	4.36	9.11361E+06
MED30H	% OF MEDICARE CASES COVERED BY MEDICAID	2888	11.94	124.4	0.00	100.0	2.31	2.07990E+06
MED40B	% OF MEDICARE ACCEPTED ON ASSIGNMENT	1533	30.81	254.4	0.00	100.0	6.50	2.86887E+06
MED40C	% OF MEDICARE COLLECTED ON ASSIGNMENT	1533	30.81	254.4	0.00	100.0	6.50	2.86887E+06
MED41A	% BILL TO INSURER OR MEDICAID DIRECTLY	1329	74.55	212.8	0.00	100.0	5.84	6.01540E+06
MED41B	% BILL TO THE PATIENT DIRECTLY	2899	80.49	272.6	0.00	100.0	5.06	1.39801E+07
MED41C	% BILL TO PATIENT FOR THE COINSURANCE	2892	20.17	276.8	0.00	100.0	5.15	3.49567E+06
MED41D	% BILL TO PATIENT FOR THE COINSURANCE	2571	83.21	263.8	0.00	100.0	5.20	1.28845E+07
MED42	% OF DEDUCTIBLE & COINSURANCE R COLLECT	2550	81.91	273.2	0.00	100.0	5.41	1.25721E+07
EQ47A	TOTAL COST OF X-RAY EQUIPMENT	2760	69.93	216.1	0.00	100.0	4.11	1.15754E+07
EQ47A	TOTAL COST OF X-RAY EQUIPMENT	571	169815.66	5502181.5	0.00	10025000.0	230259.13	6.24333E+09
EQ47B	# OF TESTS PERFORMD USING X-RAY EQUIPMT	763	124.43	5598.2	0.00	16800.0	202.67	6.14553E+06
EQ47C	TOTAL COST OF EKG EQUIPMENT	764	12469.86	787800.5	0.00	2500000.0	28501.62	6.23644E+08
EQ47D	# OF TESTS PERFORMD USING EKG EQUIPMENT	1041	22.86	510.7	0.00	1300.0	15.83	1.54199E+06
EQ47E	TOTAL COST OF ULTRASOUND EQUIPMENT	449	64197.86	1269275.5	0.00	2000000.0	59900.81	1.57963E+07
EQ47F	# TESTS PERFORMD USING ULTRASOUND EQUIP.	527	24.52	532.2	0.00	1200.0	23.18	7.15799E+05
EQ47G	TOTAL COST OF ENDOSCOPY EQUIPMENT	75	19731.30	143389.7	1.00	130000.0	16557.22	6.35194E+07
EQ47H	# OF TESTS PERFORMD USING ENDOSCOPY EQP	95	12.89	195.9	0.00	203.0	20.10	5.19967E+04
EQ47E	TOTAL COST OF SIGMOIDOSCOPY EQUIPMENT	295	6366.95	61291.9	0.00	60000.0	3568.55	1.12665E+08
EQ47I	# TESTS DOME USING SIGMOIDOSCOPY EQPMT	378	7.51	243.2	0.00	450.0	12.51	1.69560E+05
EQ47F	TOTAL COST OF COLONOSCOPY EQUIPMENT	61	11094.45	90162.9	0.00	60000.0	11544.17	3.36223E+07
EQ47F	# TESTS PERFORMD USING COLONOSCOPY EQUIP	94	6.52	81.4	0.00	80.0	8.40	3.25616E+04
EQ47G	TOTAL COST OF STRESS TEST EQUIPMENT	58	19067.77	124702.4	500.00	90000.0	16374.22	7.68835E+07
EQ47G	# TESTS DOME USING STRESS TEST EQUIPMENT	92	6.03	73.8	0.00	60.0	7.69	3.75329E+04
EQ47H	TOTAL COST OF ECG EQUIPMENT	123	9136.80	106290.1	0.00	120000.0	9583.86	7.97173E+07
EQ47H	# TESTS PERFORMD USING ECG EQUIPMENT	182	4.12	62.6	0.00	50.0	4.64	5.38316E+04
EQ47I	TOTAL COST OF EGG EQUIPMENT	48	21512.68	136592.4	200.00	80000.0	19715.42	4.10602E+04
EQ47I	# TESTS PERFORMD USING ECG EQUIPMENT	69	11.15	106.8	0.00	100.0	12.86	5.66089E+07
EQ47J	TOTAL COST OF STRESS TEST EQUIPMENT	45	25854.25	308946.2	0.00	300000.0	46054.98	6.52250E+07
EQ47J	# TESTS DOME USING CARDIOVASCULAR EQUIP	73	13.91	113.9	0.00	100.0	13.33	5.63910E+04
EQ47K	TOTAL COST OF BLOOD POOL IMAGERY EQUIP	8	120401.14	640817.8	7500.00	250000.0	226563.32	5.21407E+07
EQ47K	# TESTS PERFORMD USING MYOCARDIUM EQUIP	14	18.57	77.8	2.00	35.0	20.80	1.41145E+04
EQ47L	TOTAL COST OF CT SCAN EQUIPMENT	12	451719.94	3336599.1	65000.00	1200000.0	963193.19	4.34578E+08
EQ47L	# TESTS PERFORMD USING CT SCAN EQUIPMT	19	58.72	400.6	10.00	200.0	91.90	9.32824E+04
EQ47M	TOTAL COST OF MAGNETIC RES IMAGING EQUIP	10	2004672.06	10830017.3	420000.00	3400000.0	3424752.19	1.53307E+09
EQ47M	# TESTS WITH MRI EQUIPMENT	15	82.52	368.6	0.00	160.0	95.17	9.69078E+04
EQ47N	TOTAL COST OF NUCLEAR SCAN EQUIPMENT	4	195209.86	1256842.4	60000.00	350000.0	628421.18	5.87727E+07
EQ47N	# TESTS DONE USING NUCLEAR SCAN EQUIPMT	8	112.46	3371.2	0.00	1527.0	1191.91	6.61413E+04
LAB56A	TOTAL COST OF CLINICAL CHEM. EQUIPMENT	482	30173.75	675517.6	0.00	1200000.0	30768.98	9.59256E+08
LAB60A	# OF CLINICAL CHEMISTRY TESTS PERFORMED	582	377.10	13558.2	0.00	19000.0	562.00	1.44971E+07

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VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM
NET	PERSONAL NET INCOME AS CONTINUOUS VAR	3218	167429.97	277919.03	0.00	14000000.0	4899.20	5389950534
INC30A	APPROX INCOME NOT FROM MAIN PRACTICE	121	24539.67	98064.50	0.00	1000000.0	8914.95	2969300
MAL31	OWN MALPRACTICE INSURANCE PAID IN 1998	3416	17858.57	28048.30	0.00	693763.0	479.90	61004890
MAL32	AMOUNT PAID TO PATIENT COMPENSATION FUND	719	3290.10	14583.00	0.00	290000.0	543.85	2355581
MAL33A	TOTL MALPRACTICE INSURANCE HOSPITAL PAID	3388	309.40	3533.61	0.00	100000.0	60.71	1048255
Q35VERB	LIMIT PER CASE ON MALPRACTICE (OTHER)	445	215895.06	2404282.80	20000.00	40000000.0	113973.94	960735000
MAL35R	TOTAL LIMIT ON MALPRACTICE (OTHER)	553	3596292.95	4785201.39	40000.00	90000000.0	203487.46	1988750000
MAL36R	LIMIT PER CASE ON MAL POLICIES-CONT VAR	3351	1063036.41	1109874.79	20000.00	40000000.0	19172.85	3562235000
MED38A	TOTAL LIMIT ALL MAL POLICIES-CONTINUOUS	3331	2533338.34	2311370.61	40000.00	90000000.0	40048.13	8438550000
MED38B	% OF REVENUES FROM UNINSURED PATIENTS	3281	11.58	13.85	0.00	100.0	0.24	37981
MED38C	% OF REVENUES FROM MEDICAID	3352	32.88	22.34	0.00	97.0	0.39	110212
MED38D	% OF REVENUES FROM PRIVATE BLUE SHIELD	3310	8.78	11.18	0.00	98.0	0.19	29076
MED38E	% OF REVENUES FROM OTHER PRIVATE HEALTH PLANS	2924	18.43	14.69	0.00	90.0	0.27	53899
MED38F	% OF REVENUES FROM OTHER SOURCES SPECIFY	3131	28.76	21.56	0.00	100.0	0.39	90032
MED38G	% OF MEDICARE HAD SUPPLEMENTAL INSURANCE	3280	3.05	12.23	0.00	100.0	0.21	10006
MED38H	% OF MEDICARE CASES COVERED BY MEDICAID	2803	55.26	29.25	0.00	100.0	0.55	154904
MED40B	% OF MEDICARE ACCEPTED ON ASSIGNMENT	2888	11.94	15.54	0.00	100.0	0.29	34495
MED40C	% OF MEDICARE ACCEPTED ON ASSIGNMENT	1533	30.70	32.38	0.00	100.0	0.83	47057
MED41A	% BILL TO INSURER OR MEDICAID DIRECTLY	1329	74.47	27.06	0.00	100.0	0.74	98972
MED41B	% BILL TO THE PATIENT FOR THE DEDUCTIBLE	2899	81.69	34.17	0.00	100.0	0.63	236824
MED41C	% BILL TO PATIENT FOR THE DEDUCTIBLE	2892	18.85	34.64	0.00	100.0	0.64	54510
MED41D	% BILL TO PATIENT FOR THE COINSURANCE	2571	83.57	33.77	0.00	100.0	0.67	214858
MED42	% OF DEDUCTIBLE & COINSURANCE R COLLECT	2550	82.46	34.82	0.00	100.0	0.69	210271
EQUS7A	TOTAL COST OF X-RAY EQUIPMENT	2760	70.07	27.82	0.00	100.0	0.53	193406
EQUS7B	# OF TESTS PERFORMED USING X-RAY EQUIPMT	571	152510.41	567827.00	0.00	10025000.0	23762.82	87083442
EQUS7C	TOTAL COST OF EKG EQUIPMENT	763	119.71	680.72	0.00	16800.0	24.64	91339
EQUS7D	# OF TESTS PERFORMED USING EKG EQUIPMENT	764	13015.58	94646.90	0.00	2500000.0	3424.20	9943901
EQUS7E	TOTAL COST OF ULTRASOUND EQUIPMENT	1041	23.87	66.08	0.00	1300.0	2.05	24853
EQUS7F	# OF TESTS PERFORMED USING ULTRASOUND EQUIP.	449	58167.83	115940.14	0.00	2000000.0	5471.55	26117356
EQUS7G	TOTAL COST OF ENDOSCOPY EQUIPMENT	527	22.23	62.88	0.00	1200.0	2.74	11715
EQUS7H	# OF TESTS PERFORMD USING ENDOSCOPY EQP	75	19937.47	22973.69	1.00	130000.0	2652.77	1495310
EQUS7I	TOTAL COST OF SIGMOIDOSCOPY EQUIPMENT	95	11.14	23.74	0.00	203.0	2.44	1058
EQUS7J	# TESTS DONE USING SIGMOIDOSCOPY EQUIPMT	295	6794.72	8007.50	0.00	60000.0	466.21	2004442
EQUS7K	TOTAL COST OF COLONOSCOPY EQUIPMENT	378	7.58	26.07	0.00	450.0	1.34	2865
EQUS7L	# TESTS PERFORMD USING COLONOSCOPY EQUIP	61	14221.20	15383.30	0.00	60000.0	1969.63	867493
EQUS7M	TOTAL COST OF STRESS TEST EQUIPMENT	94	7.44	11.58	0.00	80.0	1.19	699
EQUS7N	# TESTS DONE USING CARDIOVASCULAR EQUIP	58	18355.17	13168.07	500.00	90000.0	1729.05	1064600
EQUS7O	TOTAL COST OF ECG EQUIPMENT	92	5.76	7.71	0.00	60.0	0.80	530
EQUS7P	# TESTS PERFORMED USING ECG EQUIPMENT	123	10345.03	14190.93	0.00	120000.0	1279.55	1272439
EQUS7Q	TOTAL COST OF ECG EQUIPMENT	182	3.71	6.69	0.00	50.0	0.50	675
EQUS7R	# TESTS PERFORMED USING ECG EQUIPMENT	48	21381.67	18186.30	200.00	80000.0	2624.97	1026320
EQUS7S	#TESTS PERFORMED USING ECG EQUIPMENT	69	11.71	15.25	0.00	100.0	1.84	808
EQUS7T	TOTAL COST OF STRESS TEST EQUIPMENT	45	26773.24	44246.49	0.00	300000.0	6595.88	1204796
EQUS7U	# TESTS DONE USING CARDIOVASCULAR EQUIP	73	14.11	15.25	0.00	100.0	1.79	1030
EQUS7V	TOTAL COST OF BLOOD POOL IMAGERY EQUIP	8	112437.50	88344.07	7500.00	250000.0	31234.34	899500
EQUS7W	# TESTS PERFORMD USING MYOCARDIUM EQUIP	14	18.50	10.54	2.00	35.0	2.82	259
EQUS7X	TOTAL COST OF CT SCAN EQUIPMENT	12	492883.33	391838.07	65000.00	1200000.0	113113.91	5914600
EQUS7Y	# TESTS PERFORMD USING CT SCAN EQUIPMT	19	59.26	41.81	10.00	200.0	9.59	1126
EQUS7Z	TOTAL COST OF MAGNETIC RES IMAGING EQUIP	10	1971892.00	1204489.86	420000.00	3400000.0	380893.14	19718920
EQUS7A	# TESTS WITH MRI EQUIPMENT	15	77.33	41.96	0.00	160.0	10.83	1160
EQUS7B	TOTAL COST OF NUCLEAR SCAN EQUIPMENT	4	195000.00	130256.16	60000.00	350000.0	65128.09	780000
EQUS7C	# TESTS DONE USING NUCLEAR SCAN EQUIPMT	8	206.13	533.94	0.00	1527.0	188.78	1649
LAB56A	TOTAL COST OF CLINICAL CHEM. EQUIPMENT	482	34747.08	91687.26	0.00	1200000.0	4176.24	16748092
LAB60A	# OF CLINICAL CHEMISTRY TESTS PERFORMED	582	366.46	1558.07	0.00	19000.0	64.58	213277





VARIABLE	LABEL	N	MEAN	STANDARD DEVIATION	MINIMUM VALUE	MAXIMUM VALUE	STD ERROR OF MEAN	SUM
PRD9A	HRS WORKED DURING RECENT WK OF PRACTICE	3501	58.96	16.07	12.00	146.0	0.27	2064.10
PRD9B	TOTAL HRS SPENT ON ADMINISTRATIVE DUTIES	3500	5.71	5.89	0.00	45.0	0.10	1998.7
PRD10A	HRS SPENT WITH PATIENTS IN THE OFFICE	3048	27.75	13.38	0.00	76.0	0.24	8457.6
PRD10B	HRS SPENT TREATING PATIENT IN HOSPITAL	3035	6.30	11.21	0.00	98.0	0.20	1912.8
PRD10C	HRS SPENT ON OPERATIONS/SURGICAL ASSISTANTS	3031	8.15	11.77	0.00	108.0	0.21	2470.3
PRD10D	HRS SPENT ON REGULAR HOSPITAL ROUNDS	3012	9.09	10.72	0.00	90.0	0.20	2737.7
PRD10E	HRS SPENT ON OTHER MEDICAL ACTIVITIES	3027	2.52	5.82	0.00	64.0	0.11	762.2
PRD11A	# OF PATIENTS SEEN IN R/S OFFICE LAST WK	3017	77.01	54.47	0.00	480.0	0.99	23234.0
PRD11B	# OF PATIENTS SEEN IN HOSPITAL LAST WK	2986	9.90	26.76	0.00	400.0	0.49	2956.0
PRD11C	# OF OPERATIONS AND ASSISTANTS LAST WK	3010	4.75	9.37	0.00	287.0	0.17	1428.3
PRD11D	# OF INPATIENTS SEEN ON HOSPITAL ROUNDS	2956	23.28	32.50	0.00	300.0	0.60	6882.6
SIZ12A	# PHYSICIANS WORKING AT LEAST 20 HRS/WK	3504	5.74	16.10	1.00	270.0	0.27	2010.6
SIZ12B	# PHYSICIANS NOT PARTNERS OR SHAREHOLDERS	3496	1.16	6.33	0.00	226.0	0.11	406.4
SIZ12C	# PART-TIME PHYSICIANS W/ < 20 HRS/WEEK	3497	0.21	1.31	0.00	35.0	0.02	71.7
SIZ12D	# PART-TIME PHYSICIAN EMPLOYEES	3490	0.14	1.08	0.00	35.0	0.02	48.9
SIZ12E	TOTAL PHYSICIANS IN R/S SPECIALTY	1778	4.96	5.58	1.00	90.0	0.13	881.6
SIZ13	TOTAL # OF NON-PHYSICIAN EMPLOYEES	3480	17.00	53.22	0.00	800.0	0.90	5915.6
SIZ14	TOTAL # OF SOCIAL WORKER R/S PRACTICE EMPLOYED	205	0.69	2.58	0.00	23.0	0.18	14.2
SIZ15A1	# OF SOCIAL WORKERS WHO WORK 20 HRS A WK	33	3.12	3.42	0.00	16.0	0.59	103
SIZ15A2	# OF CRNAs R/S PRACTICE EMPLOYED IN 88	215	3.80	8.55	0.00	65.0	0.58	81.8
SIZ15B1	# OF CRNAs WHO WORK 20 HRS A WK	75	10.39	11.64	0.00	65.0	1.34	77.9
SIZ15B2	# OF RNS R/S PRACTICE EMPLOYED IN 88	3120	1.86	6.62	0.00	132.0	0.12	580.9
SIZ15C1	# OF RNS WHO WORK 20 HRS A WK	1290	4.03	8.94	0.00	132.0	0.25	519.7
SIZ15C2	# OF LPNs R/S PRACTICE EMPLOYED IN 88	3117	1.54	7.55	0.00	202.0	0.14	479.6
SIZ15D1	# OF LPNs WHO WORK 20 HRS A WK	906	4.83	12.10	0.00	182.0	0.40	438.0
SIZ15E1	# OF MEDICAL AIDES R/S PRACTICE EMPLOYED	3116	2.91	9.88	0.00	197.0	0.18	906.6
SIZ15E2	# OF MEDICAL AIDES WHO WORK 20 HRS A WK	1450	5.73	12.83	0.00	152.0	0.34	831.1
SIZ15F1	# OF PAS/NPs R/S PRACTICE EMPLOYED	3118	0.50	3.98	0.00	185.0	0.07	154.5
SIZ15F2	# OF PAS/NPs WHO WORK 20 HRS/WEEK	453	3.19	9.77	0.00	185.0	0.46	144.3
SIZ15G1	# OF OTHER PT CARE EMPs IN R/S PRACTICE	3118	0.66	5.31	0.00	150.0	0.10	205.1
SIZ15H1	# OF OTH PT CARE EMPs WHO WORK 20 HRS/WK	292	5.72	12.89	0.00	100.0	0.75	166.9
SIZ15H2	# OF CLERICAL STAFF WHO WORK 20 HRS A WK	3109	8.33	23.06	0.00	324.0	0.41	2589.1
SIZ15I1	# OF CLERICAL STAFF WHO WORK 20 HRS A WK	2932	7.80	22.12	0.00	324.0	0.41	2287.2
SIZ15I2	WAGES FOR PHYSICIANS IN R/S PRACTICE 88	2881	702166.64	1788559.67	0.00	29561000.0	33322.06	20222942092
COS16A	TOTAL SPENT FOR PHYSICIAN DEFERRED COMP	2294	76388.03	336759.37	0.00	7986888.0	7031.10	175234137
COS16B	TOTAL SPENT FOR PHYSICIAN FRINGE BENEFIT	2371	73552.37	306640.01	0.00	6959000.0	6297.43	174392681
COS17	TOTAL WAGES FOR PHYSICIAN EMPLOYEES 88	2943	54780.72	453055.71	0.00	12192000.0	8351.35	161219659
COS17A	TOTAL SPENT FOR MD EMPs DEFERRED COMP	2875	2542.95	25973.51	0.00	706244.0	484.41	7310984
COS17B	TOTAL SPENT FOR MD EMPs FRINGE BENEFITS	2868	5764.93	68058.95	0.00	1905000.0	1270.85	16533810
COS18	TOTAL WAGES FOR NON-PHYSICIAN EMPLOYEES	2934	267237.66	798635.93	0.00	9346000.0	14744.12	784075308
COS18A	TOTAL SPENT FOR NON-PHYSICIAN EMPLOYEES	2505	13352.15	52174.61	0.00	784857.0	1042.45	3344714.7
COS18B	TOTAL SPENT NON-PHYSICIAN DEFERRED COMP	2542	54900.11	286961.93	0.00	9621000.0	5691.63	139556074
COS19A	YEARLY OFFICE SPACE RENTAL OR LEASE COST	3030	63991.06	217027.92	0.00	5725000.0	3942.71	193892917
COS19B	1988 DEPRECIATION COST FOR OFFICE SPACE	2942	8325.38	54408.87	0.00	1505000.0	1003.11	24493275
COS19C	EXPENSES FOR UTILITIES/TELEPHONE IN 1988	2960	19226.64	56613.96	0.00	800000.0	1040.59	5691085.7
COS19E	TOTAL SQUARE FOOTAGE OF OFFICE SPACE	2567	6732.13	20128.60	0.00	384000.0	397.28	17281380
COS19F	COST PER SQUARE FOOT FOR OFFICE SPACE	385	877.35	325.45	0.00	1000.0	16.59	337781
COS21	MEDICAL EQUIPMENT DEPRECIATION EXPENSES	2700	27628.95	96419.10	0.00	1270000.0	1855.59	74598165
COS22	ANNUAL EXPENSES FOR ALL MEDICAL SUPPLIES	2874	84473.18	358640.34	0.00	8103200.0	6689.84	242775928
COS23	MALPRACTICE INSURANCE COST ALL MEMBERS	3020	68272.75	183162.38	0.00	3200000.0	3332.98	206183720
COS24	AUTOMOBILE UPKPE AND DEPRECIATION COST	2867	5097.92	14563.78	0.00	341000.0	271.99	14615727
COS25	CONTINUING EDUCATION EXPENSES FOR 1988	2939	10515.56	32849.07	0.00	850000.0	605.93	30905220
COS26	COST FOR MISCELLANEOUS ITEMS IN 1988	2904	108114.46	451046.31	0.00	11210000.0	8369.95	313564396
INC29A	R/S OWN PERSONAL NET INCOME IN 1988	2316	167165.05	159202.23	0.00	3000000.0	3308.11	387154251
INC29C	HOW MUCH WAS PERSONAL NET INCOME >\$500K	10	649072.30	160100.06	500000.00	950000.0	50628.09	649072.3

\*\*\* UNWEIGHTED \*\*\*

99-C-98526 Handbok for using the  
1988 Physicians' Practice Costs  
and Income Survey. Dayhoff, Debra  
A., Margo, Rosebach L., Ammering,  
Carol J., Cromwell, Jerry, Schnei-  
der, John, Scott, William R.



